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SESSIONAL PAPERS

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SIXTH SESSION

OF THE

TWENTIETH LEGISLATURE

OF THE

PROVINCE OF ONTARIO

SESSION 1941

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1942

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DEPARTMENT OF HEALTH

SEVENTY-FIRST ANNUAL REPORT

UPON THE

Public Hospitals, Private Hospitals
Hospitals for Incurables
Convalescent Hospitals

AND

Sanatoria for Consumptives

OF THE

PROVINCE OF ONTARIO

FOR THE YEAR WHICH ENDED 31st DECEMBER

1940

AND FOR THREE MONTHS, OCTOBER, NOVEMBER AND DECEMBER

1939

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO
SESSIONAL PAPER No. 16, 1941

ONTARIO

TORONTO
Printed and Published by T. E. Bowman, Printer to the King's Most Excellent Majesty
1941

Parliament Buildings,
Toronto, July 14th, 1941.

To The Honourable Albert Matthews,
Lieutenant-Governor of the Province of Ontario.

May It Please Your Honour:

The undersigned has the honour to transmit to Your Honour the Seventy-first Annual Report on the Hospitals and Sanatoria of the Province of Ontario, for the year which ended December 31st, 1940, together with a similar report for the three months, October, November and December, 1939.

Respectfully submitted,

Harold J. Kirby,
Minister of Health.

Parliament Buildings,
Toronto, July 14th, 1941.

THE HONOURABLE HAROLD J. KIRBY, K.C.,
Minister of Health.

SIR:

I have the honour to submit to you the Seventy-first Annual Report on the Hospitals and Sanatoria of the Province of Ontario, for the year which ended December 31st, 1940, together with a similar report for the three months, October, November and December, 1939.

I have the honour to be, Sir,

Your obedient servant,

C. J. TELFER,
Inspector of Hospitals.

Hospitals

Herein is presented a detailed report on General, Red Cross and Convalescent Hospitals, Hospitals for Incurables and Sanatoria for Consumptives, operating in the Province of Ontario, as compiled from the Financial and Statistical Statements submitted for the year which ended December 31st, 1940.

There were 176 institutions in operation and participating in Provincial grants during the year. These are classified as follows:

117 General Hospitals
30 Red Cross Hospitals
8 Hospitals for Incurables
4 Convalescent Hospitals
3 Convalescent Summer Camps for Children
13 Sanatoria for Consumptives

The number of patients, together with the number of days' treatment, is indicated in the summary on the opposite page. In Public General Hospitals, exclusive of Red Cross Outposts, there was an increase in the number of patients treated of 23,770 over the previous year, and an increase of 223,111 days' treatment. The average number of patients in hospital daily was 10,476, or 582¼ more than the previous year.

Operating costs increased by $826,178.61 over the previous year. The following revenue increases and decreases are noted:

From patients, increased....................	$1,511,454.38
From investments, increased................	49,497.77
From donations, decreased..................	56,283.86
From municipalities, decreased..............	327,636.24
From Provincial Government, decreased......	152,359.07

The net increase in revenue for the year amounted to $1,080,662.69.

During the year the Sisters of St. Joseph of the Diocese of Sault Ste. Marie acquired the Red Cross Hospital at Blind River; transfer was effected on August 17th, 1940.

Executives and officers of the several institutions reported herein are requested to study the various tables comparing their hospitals with those of similar size and capacity.

On page 28 of this report will be found information concerning the 63 private hospitals licensed during the year under report.

C. J. Telfer,
Inspector of Hospitals.

CONSOLIDATED STATEMENT GIVING CERTAIN STATISTICAL AND FINANCIAL INFORMATION

For the Year Ended December 31st, 1940

	Public Hospitals	Red Cross Outposts	Hospitals for Incurables	Convalescent Hospitals	TOTALS
Bed Capacity, Adults and Children	13,194	397	1,297	378	15,266
Nursery Bassinettes	1,957	112	......	......	2,069
Percentage of Bed Occupancy for the Year	69.1	45.5	94.2	......	......
Number of Live Births During the Year	38,473	1,562	......	......	40,035
Number of Deaths, Including Still-births, During the Year	13,678	334	556	8	14,576
Total Number of Patients Treated During the Year	309,766	9,049	2,034	1,736	322,585
Total Collective Days' Stay of All Patients	3,834,250	84,835	447,279	68,054	4,434,418
Number of Staff and Employees:					
Graduate Nurses	2,194	94	129	29	2,446
Pupil Nurses	3,307	......	......	......	3,307
Probationer Nurses	826	......	......	......	826
Other Graduate and Professional Staff	579	1	135	15	730
Orderlies	358	20	40	8	426
All Other Employees	5,048	61	341	86	5,536
TOTAL STAFF AND EMPLOYEES	12,312	176	645	138	13,271
Operating Revenue	$ c.	$ c.	$ c.	$ c.	$ c.
Income from Patients for Maintenance and Treatment	9,224,381.27	201,363.72	147,138.35	34,454.93	9,607,338.27
Income from Municipalities for Maintenance and Treatment of Patients	2,630,904.50	17,547.57	509,311.38	58,364.93	3,216,128.38
Grants from Government for Maintenance and Treatment of Patients	1,022,925.94	27,155.60	183,634.20	22,028.90	1,255,744.64
Grants from Government for Special Clinics and Radiotherapy, etc.	69,389.22	....	....	....	69,389.22
TOTAL OPERATING REVENUE	12,947,600.93	246,066.89	840,083.93	114,848.76	14,148,600.51
Non-operating Revenue					
Income from Property, Investments, Endowments, etc., and Miscellaneous	399,142.36	2,047.52	15,078.19	11,259.26	427,527.33
Income from Donations, Bequests and Other Gratuitous Sources	691,907.35	23,134.88	14,758.59	19,953.93	749,754.75
Grants from Municipalities for Building, Debentures, Capital, etc.	259,401.77	....	....	....	259,401.77
TOAL NON-OPERATING REVENUE	1,350,451.48	25,182.40	29,836.78	31,213.19	1,436,683.85
Total Revenue	14,298,052.41	271,249.29	869,920.71	146,061.95	15,585,284.36
Operating Expense					
Total Cost of Dietaries	2,489,926.22	50,464.93	165,990.53	33,786.87	2,740,168.55
Total Cost of Salaries and Wages	5,872,669.71	141,662.42	348,180.53	68,214.52	6,430,727.18
Other Operating Expense	4,078,535.47	107,161.59	200,101.07	35,832.16	4,421,630.29
TOTAL OPERATING EXPENSE	12,441,131.40	299,288.94	714,272.13	137,833.55	13,592,526.02
Interest and Sinking Fund Charges	574,253.83	....	19,364.83	....	593,618.66
Total Cost	13,015,385.23	299,288.94	733,636.96	137,833.55	14,186,144.68
Average Per Capita Cost*	3.25	3.26	1.60	2.03	....

*NOTE:—No provision is made in these figures for depreciation on buildings, plant and equipment, or for bad and doubtful accounts.

PUBLIC HOSPITALS

TABLE No. I.—Showing the bed capacity, both adult and nursery, together with the movement of patients in each hospital separately.

Name of Hospital	Location	Bed Capacity		Patients in residence, Jan. 1st, 1940	Patients admitted during year	Live births during year	Total patients treated during year	Patients discharged during year	Deaths during year	Still-births during year	Patients in residence, Dec. 31st, 1940
		Adults and children	Nursery								
GROUP 1 Capacity, 1 to 25 Beds											
Bowmanville...........	Bowmanville....	18	5	18	509	136	663	628	24	9	11
Municipal	Cobalt.........	22	3	5	258	46	309	293	11	2	5
Haldimand War Memorial	Dunnville......	15	9	12	400	87	499	461	26	3	12
Red Cross Memorial....	Durham........	19	5	9	175	51	235	208	18	3	9
Hanover Memorial.....	Hanover.......	18	5	5	280	81	366	341	13	3	12
Notre Dame...........	Hawkesbury....	18	3	12	648	26	686	644	26	6	16
Rosedale War Memorial.	Matheson......	10	5	2	226	74	302	294	6	3	2
Louise Marshall........	Mount Forest...	14	5	6	145	58	209	196	9	1	4
Niagara Cottage........	Niagara-on-Lake	11	4	5	150	42	197	180	10	1	7
Palmerston General.....	Palmerston.....	10	4	11	323	39	373	348	16	4	9
General...............	Penetanguishene.	16	5	7	402	54	463	438	18	3	7
Wingham General......	Wingham.......	18	3	13	320	67	400	383	14	4	3
TOTALS......	....	189	56	105	3,836	761	4,702	4,414	191	42	97
GROUP 2 Capacity, 26 to 50 Beds											
Stevenson Memorial....	Alliston........	33	4	13	497	106	616	565	27	5	24
Rosamond Memorial....	Almonte........	20	6	17	395	127	539	497	22	5	20
St. Joseph's††	Blind River.....	27	5	....	122	15	137	121	4	......	12
Lady Minto............	Chapleau.......	26	7	23	411	42	476	432	19	2	25
Clinton Public.........	Clinton........	24	7	17	375	85	477	454	13	5	10
Groves Memorial.......	Fergus.........	28	5	13	409	90	512	483	17	5	12
Douglas Memorial......	Fort Erie.......	35	15	15	736	148	899	828	51	5	20
Alexandra Marine & Gen.	Goderich.......	42	8	30	576	112	718	650	46	3	22
Misericordia...........	Haileybury.....	30	5	23	631	31	685	637	24	6	24
St. Paul's.............	Hearst.........	23	4	30	856	116	1,002	943	22	3	37
Alexandra.............	Ingersoll.......	32	10	19	549	127	695	633	38	4	24
Anson General.........	Iroquois Falls...	32	6	19	630	59	708	668	19	2	21
Kincardine General.....	Kincardine.....	37	8	18	417	124	559	512	26	6	21
Memorial..	Listowel.......	30	7	15	406	77	498	452	28	6	18
General...............	Mattawa.......	39	5	18	353	48	419	364	34	1	21
St. Andrew's..........	Midland.......	42	8	34	867	177	1,078	990	55	11	33
York County..........	Newmarket.....	32	8	29	911	215	1,155	1,073	49	3	33
Queen Victoria Memorial	North Bay.....	43	7	22	996	128	1,146	1,059	61	10	26
Lord Dufferin	Orangeville.....	26	3	35	633	101	769	715	38	4	16
Willett................	Paris..........	35	8	13	438	113	564	512	29	1	23
Parry Sound General....	Parry Sound....	22	7	21	738	105	864	806	32	5	26
Charlotte E. Englehart..	Petrolia........	29	6	23	566	143	732	674	40	7	18
Scott Memorial.......	Seaforth........	21	6	11	448	93	552	517	29	2	6
Sioux Lookout General..	Sioux Lookout..	16	4	14	482	70	566	538	17	1	11
St. Francis General.....	Smith's Falls....	35	5	24	407	36	467	424	17	2	26
Porcupine General......	South Porcupine.	30	12	21	954	265	1,240	1,204	18	10	18
Strathroy General......	Strathroy.......	41	6	31	478	137	646	584	37	3	25
St. Jean de Brebeuf.....	Sturgeon Falls...	33	7	25	588	45	658	582	40	4	36
Soldiers' Memorial......	Tillsonburg.....	32	9	27	941	220	1,188	1,100	54	8	34
Lockwood Clinic.......	Toronto........	40	....	11	874	....	885	850	18	....	17
Mothercraft Centre .	Toronto	10	18	11	157	....	168	157	....	....	11
County of Bruce Gen...	Walkerton......	31	6	17	708	116	841	770	60	....	11
TOTALS..	....	976	222	639	18,549	3,271	22,459	20,794	984	129	681
GROUP 3 Capacity, 51 to 100 Beds											
Royal Victoria........	Barrie.	53	14	40	1,462	293	1,795	1,654	89	17	52
Peel Memorial	Brampton......	43	9	32	964	222	1,218	1,137	55	6	26
St. Vincent de Paul.....	Brockville......	69	5	38	1,183	162	1,383	1,272	50	4	61
Cobourg General.	Cobourg	42	16	22	731	124	877	805	39	11	33
Lady Minto	Cochrane	62	8	50	631	116	797	723	36	2	38
General and Marine....	Collingwood....	51	9	44	1,018	147	1,209	1,107	60	10	42
Cornwall General	Cornwall..	71	16	50	1,687	192	1,929	1,805	71	2	53
Galt General	Galt..	75	16	51	1,591	280	1,922	1,787	96	11	39
Kenora General........	Kenora	52	5	36	790	126	952	889	31	11	32
St. Joseph's	Kenora	52	12	33	745	150	928	849	39	7	40
Ross Memorial	Lindsay........	52	8	39	1,313	263	1,615	1,469	101	21	45
Orillia Soldiers' Memorial	Orillia	69	11	52	1,660	227	1,939	1,791	97	12	51
Protestant Children's	Ottawa	55		28	860	..	888	842	19		27
Salvation Army Grace...	Ottawa.	57	40	87	2,116	1,418	3,621	3,480	39	43	102
St. Joseph's General	Parry Sound ..	56	8	31	1,129	150	1,310	1,220	45	1	45
Pembroke Cottage.....	Pembroke.	50	8	41	1,301	99	1,441	1,323	70	7	48
Great War Memorial. .	Perth ..	44	8	35	1,057	149	1,241	1,140	54	6	47
Nicholl's	Peterborough .	86	12	68	1,805	355	2,228	2,050	93	10	85

††Taken over from Red Cross, Aug. 17th, 1941.

PUBLIC HOSPITALS (Cont'd)

TABLE No. 1.—Showing the bed capacity, both adult and nursery, together with the movement of patients in each hospital separately.

Name of Hospital	Location	Bed Capacity		Patients in residence, Jan. 1st, 1940	Patients admitted during year	Live births during year	Total patients treated during year	Patients discharged during year	Deaths during year	Still-births during year	Patients in residence, Dec. 31st, 1940
		Adults and children	Nursery								
Group 3 (Cont'd)											
Prince Edward County..	Picton	43	11	19	772	186	977	908	34	8	35
Port Hope............	Port Hope......	45	6	13	682	113	808	749	41	4	18
Victoria..............	Renfrew........	71	8	45	890	152	1,087	988	54	9	45
Plummer Memorial.....	Sault Ste. Marie.	52	12	33	1,257	270	1,560	1,470	49	12	41
Norfolk General........	Simcoe.........	50	22	51	1,319	346	1,716	1,592	82	8	42
Smith's Falls Public....	Smith's Falls....	60	8	31	959	130	1,120	1,045	36	1	39
Salvation Army Grace...	Toronto........	54	37	57	1,499	888	2,444	2,358	33	25	53
Welland County General.	Welland........	70	15	29	1,815	351	2,195	2,033	98	8	64
Woodstock General.....	Woodstock.....	85	15	55	1,625	313	1,993	1,833	90	9	70
TOTALS.......	....	1,569	339	1,110	32,861	7,222	41,193	38,319	1,601	265	1,273
GROUP 4 Capacity, 101 to 200 Beds											
Belleville General¶.....	Belleville.......	160	33	120	4,022	563	4,705	4,358	171	38	176
Brockville General......	Brockville......	108	11	60	1,974	203	2,237	2,087	91	10	59
Public General.........	Chatham.......	107	16	62	2,711	340	3,113	2,873	154	16	86
St. Joseph's...........	Chatham.......	122	17	61	2,103	447	2,611	2,432	108	21	71
Hotel Dieu............	Cornwall.......	124	14	69	3,002	340	3,411	3,204	107	16	100
McKellar General......	Fort William....	189	9	145	4,318	517	4,980	4,638	143	15	199
Guelph General........	Guelph.........	92	18	77	1,912	233	2,222	2,057	102	8	63
St. Joseph's...........	Guelph.........	86	17	71	1,655	312	2,038	1,893	72	12	73
St. Joseph's...........	Hamilton.......	157	28	116	3,686	862	4,664	4,325	188	23	151
Hotel Dieu............	Kingston.......	184	16	119	3,227	365	3,711	3,469	126	12	116
Kitchener-Waterloo.....	Kitchener......	113	27	73	2,372	424	2,869	2,663	117	19	89
St. Mary's............	Kitchener......	106	18	47	2,013	355	2,415	2,212	121	15	82
Niagara Falls General...	Niagara Falls...	120	18	48	2,227	443	2,718	2,494	133	14	91
St. Joseph's General....	North Bay.....	113	12	61	1,549	142	1,752	1,645	61	2	46
Oshawa General........	Oshawa........	79	26	56	2,951	468	3,475	3,273	119	18	83
General and Marine....	Owen Sound....	85	16	39	1,625	261	1,925	1,806	71	13	48
General..............	Pembroke......	115	10	48	1,709	134	1,891	1,740	75	12	76
St. Joseph's...........	Peterborough...	101	9	48	1,734	292	2,074	1,919	95	12	60
General..............	Port Arthur....	135	16	77	2,498	286	2,861	2,706	66	5	89
St. Joseph's General....	Port Arthur....	162	20	113	3,581	351	4,045	3,761	149	8	135
St. Catharines General*.	St. Catharines...	157	18	86	3,525	515	4,126	3,869	169	17	88
Memorial.............	St. Thomas.....	100	25	85	2,552	531	3,168	2,917	151	18	100
Sarnia General.........	Sarnia.........	112	18	64	2,191	455	2,710	2,528	117	19	65
General..............	Sault Ste. Marie.	97	15	30	1,523	245	1,798	1,676	86	11	36
Stratford General.......	Stratford.......	117	24	75	2,032	380	2,487	2,293	119	11	75
St. Mary's............	Timmins.......	130	26	100	3,550	418	4,068	3,864	117	22	87
Mount Sinai...........	Toronto........	82	20	96	2,690	489	3,275	3,083	102	10	90
Toronto East General...	Toronto........	150	32	133	3,350	767	4,250	3,928	191	26	131
Wellesley.............	Toronto........	98	17	47	2,634	277	2,958	2,788	93	8	77
Women's College.......	Toronto........	140	45	90	3,535	1,005	4,630	4,463	64	19	103
Metropolitan General...	Windsor........	116	26	76	3,011	523	3,610	3,402	134	16	74
Salvation Army Grace...	Windsor........	105	15	77	2,819	486	3,382	3,155	138	12	89
TOTALS.......	....	3,862	632	2,469	84,281	13,429	100,179	93,521	3,750	478	2,908
GROUP 5 Capacity, 201 Beds and Over											
Brantford General**....	Brantford......	234	20	137	3,662	549	4,348	3,984	208	16	156
Hamilton General†.....	Hamilton.......	706	111	568	14,138	1,664	16,370	15,172	679	66	519
Kingston General‡......	Kingston.......	328	25	198	6,819	459	7,476	6,995	258	14	223
St. Joseph's...........	London........	258	34	162	4,634	739	5,535	5,151	209	29	175
Victoria‡‡............	London........	448	36	272	7,342	705	8,319	7,677	348	31	294
Ottawa Civic..........	Ottawa........	540	60	400	12,329	1,194	13,923	12,837	552	47	534
Ottawa General........	Ottawa........	370	25	254	6,971	550	7,775	7,174	316	15	285
St. Joseph's...........	Sudbury.......	198	41	138	5,038	1,098	6,274	5,912	212	42	150
Hosp. for Sick Children.	Toronto........	432	....	253	9,098	....	9,351	8,766	285	....	300
St. Joseph's...........	Toronto........	315	26	205	6,835	906	7,946	7,381	322	32	243
St. Michael's..........	Toronto........	643	45	457	11,333	1,367	13,157	12,049	624	26	484
Toronto General.......	Toronto........	1,403	192	915	19,614	1,983	22,512	20,594	1,035	70	883
Toronto Western.......	Toronto........	518	72	409	11,117	1,832	13,358	12,324	557	68	477
Hotel Dieu............	Windsor........	205	21	89	4,056	744	4,889	4,613	155	22	121
TOTALS.......	....	6,598	708	4,457	122,986	13,790	141,233	130,629	5,760	478	4,844
GRAND TOTALS:											
Public General Hospitals.........		13,194	1,957	8,780	262,513	38,473	309,766	287,677	12,286	1,392	9,803
Red Cross Outposts..............		397	112	208	7,279	1,562	9,049	8,569	288	46	192
GRAND TOTALS incl. Red Cross.....		13,591	2,069	8,988	269,792	40,035	318,815	296,246	12,574	1,438	9,995

¶Includes 10 isolation beds and 57 patients.
*Includes 10 isolation beds and 25 patients.
**Includes 28 isolation beds and 84 patients.
†Includes 70 isolation beds and 614 patients.
‡Includes 20 isolation beds and 274 patients.
‡‡Includes 18 isolation beds and 100 patients.

PUBLIC HOSPITALS (Cont'd)

TABLE No. II.—Showing the collective stay in days of the patients admitted and infants born in the hospital; also the number of professional and other staff in each.

Name of Hospital	Location	Total patients treated during year	Total patient days, adults and children, for year	Total days, infants born, for year	Total patient days, all patients, for year	Average number patients in hospital daily	Number graduate and professional staff	Number other employees, including nurses-in-training	Percentage of beds occupied during year
GROUP 1 Capacity, 1 to 25 Beds									%
Bowmanville	Bowmanville	663	4,511	1,305	5,816	16	4	15	69.1
Municipal	Cobalt	309	1,974	426	2,400	7	3	4	26.2
Haldimand War Memorial	Dunnville	499	3,893	859	4,752	13	7	4	54 1
Red Cross Memorial	Durham	235	3,832	509	4,341	12	4	3	49 4
Hanover Memorial	Hanover	366	2,771	863	3,634	10	4	4	43.2
Notre Dame	Hawkesbury	686	5,658	222	5,880	16	2	17	76.5
Rosedale War Memorial	Matheson	302	2,415	732	3,147	9	4	5	57.3
Louise Marshall	Mount Forest	209	2,107	697	2,804	8	3	5	40.3
Niagara Cottage	Niagara-on-the-Lake	197	2,736	414	3,150	9	3	5	57.4
Palmerston General	Palmerston	373	3,482	475	3,957	11	4	2	77.2
General	Penetanguishene	463	2,638	548	3,186	9	4	4	41 5
Wingham General	Wingham	400	2,640	611	3,251	9	5	4	42.3
TOTALS		4,702	38,657	7,661	46,318	127	47	72	51 7
GROUP 2 Capacity, 26 to 50 Beds									
Stevenson Memorial	Alliston	616	6,711	1,131	7,842	21	9	7	57.9
Rosamond Memorial	Almonte	539	5,248	1,279	6,527	18	4	3	68.6
St. Joseph's	Blind River	137	1,480	141	1,621	12	5	4	37.0
Lady Minto	Chapleau	476	6,831	363	7,194	20	5	8	59.6
Clinton Public	Clinton	477	4,642	923	5,565	15	4	12	49.0
Groves Memorial	Fergus	512	4,211	1,003	5,214	14	9	6	43.2
Douglas Memorial	Fort Erie	899	7,639	1,304	8,943	24	13	15	48.9
Alexandra Marine & General	Goderich	718	8,376	1,163	9,539	26	9	18	52.1
Misericordia	Haileybury	685	7,257	324	7,581	21	8	8	59 2
St. Paul's	Hearst	1,002	11,864	1,147	13,011	36	11	18	131.7
Alexandra	Ingersoll	695	7,625	1,260	8,885	24	8	6	57 8
Anson General	Iroquois Falls	708	7,757	566	8,323	23	7	8	59 8
Kincardine General	Kincardine	559	5,684	912	6,596	18	5	6	40 0
Memorial	Listowel	498	3,549	774	4,323	12	4	4	31.9
General	Mattawa	419	9,057	452	9,509	26	6	16	59 0
St. Andrew's	Midland	1,078	10,729	1,815	12,544	34	4	26	68.5
York County	Newmarket	1,155	9,529	2,110	11,639	32	12	8	79 5
Queen Victoria Memorial	North Bay	1,146	10,367	1,498	11,865	32	15	14	64.8
Lord Dufferin	Orangeville	769	8,577	1,252	9,829	27	12	7	92.6
Willett	Paris	564	6,953	1,100	8,053	22	6	7	51 2
Parry Sound General	Parry Sound	864	10,108	1,388	11,496	31	7	9	108.3
Charlotte E. Englehart	Petrolia	732	7,035	1,463	8,498	23	11	8	66.3
Scott Memorial	Seaforth	552	4,714	1,099	5,813	16	6	11	58.8
Sioux Lookout General	Sioux Lookout	566	4,222	547	4,769	13	5	6	65 2
St. Francis General	Smith's Falls	467	8,479	408	8,887	24	14	16	60.7
Porcupine General	South Porcupine	1,240	7,906	2,645	10,551	29	13	10	68.6
Strathroy General	Strathroy	646	8,259	1,609	9,868	27	5	22	57.4
St. Jean de Brebeuf	Sturgeon Falls	658	9,160	591	9,751	27	8	10	66 6
Soldiers' Memorial	Tillsonburg	1,188	9,469	2,232	11,701	32	18	12	78 0
Lockwood Clinic	Toronto	885	7,914	......	7,914	22	7	26	54 1
Mothercraft Centre	Toronto	168	3,813	......	3,813	10	8	19	37 2
County of Bruce General	Walkerton	841	6,746	1,061	7,807	21	7	11	57 7
TOTALS		22,459	231,911	33,560	265,471	725	265	361	60 5
GROUP 3 Capacity, 51 to 100 Beds									
Royal Victoria	Barrie	1,795	17,495	3,157	20,652	56	5	54	84 2
Peel Memorial	Brampton	1,218	8,743	2,330	11,073	30	13	12	58 2
St. Vincent de Paul	Brockville	1,383	14,827	1,696	16,523	45	13	46	61 0
Cobourg General	Cobourg	877	8,280	1,205	9,485	26	13	12	44 7
Lady Minto	Cochrane	797	14,723	1,175	15,898	43	17	13	62 1
General and Marine	Collingwood	1,209	16,036	1,751	17,787	49	7	45	81 0
Cornwall General	Cornwall	1,929	20,758	2,191	22,949	63	13	63	72 1
Galt General	Galt	1,922	18,014	3,039	21,053	58	36	28	63 2
Kenora General	Kenora	952	9,868	1,291	11,159	30	5	20	53.5
St. Joseph's	Kenora	928	10,862	1,329	12,191	33	8	19	52.0
Ross Memorial	Lindsay	1,615	15,483	2,561	18,044	49	10	43	82.2
Orillia Soldiers' Memorial	Orillia	1,939	19,568	2,816	22,384	61	11	54	76.4
Protestant Children's	Ottawa	888	10,342	......	10,342	28	20	9	51.4
Salvation Army Grace	Ottawa	3,621	20,608	16,484	37,092	101	11	59	104 5
St. Joseph's General	Parry Sound	1,310	12,811	1,502	14,313	39	5	27	61.1
Pembroke Cottage	Pembroke	1,441	14,430	1,154	15,584	43	15	12	73 4
Great War Memorial	Perth	1,241	12,160	1,588	13,748	38	20	11	72.2
Nicholl's	Peterborough	2,228	26,295	3,791	30,086	82	18	75	83.9

PUBLIC HOSPITALS (Cont'd)

TABLE No. II.—Showing the collective stay in days of the patients admitted and infants born in the hospital; also the number of professional and other staff in each.

Name of Hospital	Location	Total patients treated during year	Total patient days, adults and children, for year	Total days, infants born, for year	Total patient days, all patients, for year	Average number patients in hospital daily	Number graduate and professional staff	Number other employees, including nurses-in-training	Percentage of beds occupied during year
Group 3 (Cont'd)									%
Prince Edward County	Picton	977	9,227	1,977	11,204	31	4	22	56.7
Port Hope	Port Hope	808	7,444	1,158	8,602	24	11	9	46.1
Victoria	Renfrew	1,087	11,889	1,568	13,457	37	4	26	46.5
Plummer Memorial	Sault Ste. Marie	1,560	13,387	2,677	16,064	44	11	44	68.6
Norfolk General	Simcoe	1,716	15,004	3,465	18,469	50	30	20	70.1
Smith's Falls Public	Smith's Falls	1,120	13,238	1,502	14,740	40	21	12	59.2
Salvation Army Grace	Toronto	2,444	13,392	9,664	23,056	63	14	48	69.2
Welland County General	Welland	2,195	17,582	3,512	21,094	58	32	18	67.8
Woodstock General	Woodstock	1,993	20,350	3,302	23,652	65	15	73	64.6
TOTALS		41,193	392,816	77,885	470,701	1,286	382	874	67.4
GROUP 4 Capacity, 101 to 200 Beds									
Belleville General¶	Belleville	4,705	43,475	5,465	48,940	134	19	108	69.3
Brockville General	Brockville	2,237	25,157	2,590	27,747	76	10	83	63.7
Public General	Chatham	3,113	25,165	3,378	28,543	78	15	96	63.4
St. Joseph's	Chatham	2,611	22,963	4,355	27,318	75	11	67	53.7
Hotel Dieu	Cornwall	3,411	35,746	3,459	39,205	107	29	81	77.6
McKellar General	Fort William	4,980	57,031	5,193	62,224	170	49	99	85.9
Guelph General	Guelph	2,222	23,446	2,389	25,835	71	11	95	64.2
St. Joseph's	Guelph	2,038	24,723	3,572	28,295	77	14	85	75.1
St. Joseph's	Hamilton	4,664	45,894	8,919	54,813	150	39	157	81.0
Hotel Dieu	Kingston	3,711	40,985	3,781	44,766	122	38	135	61.2
Kitchener-Waterloo	Kitchener	2,869	26,167	4,526	30,693	84	23	103	59.9
St. Mary's	Kitchener	2,415	25,344	3,683	29,027	79	23	90	64.0
Niagara Falls General	Niagara Falls	2,718	23,802	3,901	27,703	76	11	64	54.8
St. Joseph's General	North Bay	1,752	20,518	1,659	22,177	61	10	44	48.5
Oshawa General	Oshawa	3,475	23,894	4,206	28,100	77	12	64	73.1
General and Marine	Owen Sound	1,925	18,376	2,938	21,314	58	13	65	57.7
General	Pembroke	1,891	20,335	1,434	21,769	59	12	69	47.6
St. Joseph's	Peterborough	2,074	19,161	2,984	22,145	61	13	58	55.0
General	Port Arthur	2,861	30,924	3,032	33,956	93	26	75	61.4
St. Joseph's General	Port Arthur	4,045	44,311	3,624	47,935	131	19	89	72.0
St. Catharines General*	St. Catharines	4,126	36,398	4,972	41,370	113	18	115	64.6
Memorial	St. Thomas	3,168	29,919	5,893	35,812	98	21	94	78.3
Sarnia General	Sarnia	2,710	25,631	4,912	30,543	83	10	91	64.2
General	Sault Ste. Marie	1,798	15,643	2,313	17,956	49	15	48	43.8
Stratford General	Stratford	2,487	24,193	3,735	27,928	76	14	84	54.1
St. Mary's	Timmins	4,068	28,207	4,567	32,774	90	26	91	57.4
Mount Sinai	Toronto	3,275	28,604	4,544	33,148	91	35	42	88.8
Toronto East General	Toronto	4,250	48,215	8,222	56,437	154	32	150	84.7
Wellesley	Toronto	2,958	29,651	3,456	33,107	90	22	182	78.7
Women's College	Toronto	4,630	38,003	12,167	50,170	137	40	170	74.1
Metropolitan General	Windsor	3,610	30,352	5,327	35,679	97	58	45	68.7
Salvation Army Grace	Windsor	3,382	31,419	4,917	36,336	99	10	101	82.7
TOTALS		100,179	963,652	140,113	1,103,765	3,016	698	2,940	67.1
GROUP 5 Capacity, 201 Beds and Over									
Brantford General**	Brantford	4,348	52,101	6,138	58,239	159	40	152	62.6
Hamilton General†	Hamilton	16,370	188,565	18,678	207,243	566	134	570	69.3
Kingston General‡	Kingston	7,476	79,741	5,172	84,913	232	59	256	65.7
St. Joseph's	London	5,535	61,927	8,639	70,566	193	39	199	68.4
Victoria‡‡	London	8,319	120,007	8,440	128,447	351	48	378	72.5
Ottawa Civic	Ottawa	13,923	185,111	15,742	200,853	549	104	441	91.5
Ottawa General	Ottawa	7,775	107,373	6,228	113,601	310	116	245	78.6
St. Joseph's	Sudbury	6,274	47,675	9,918	57,593	157	28	134	65.8
Hospital for Sick Children	Toronto	9,351	133,925	....	133,925	366	29	485	84.7
St. Joseph's	Toronto	7,946	91,308	10,077	101,385	277	15	351	81.2
St. Michael's	Toronto	13,157	179,678	16,098	195,776	535	45	653	77.7
Toronto General	Toronto	22,512	349,355	23,457	372,812	1,019	266	1,047	63.9
Toronto Western	Toronto	13,358	155,728	20,079	175,807	480	142	505	81.4
Hotel Dieu	Windsor	4,889	38,716	8,119	46,835	128	21	171	56.6
TOTALS		141,233	1,791,210	156,785	1,947,995	5,322	1,086	5,587	72.8
GRAND TOTALS:									
Public General Hospitals		**309,766**	**3,418,246**	**416,004**	**3,834,250**	**10,476**	**2,478**	**9,834**	**69.1**
Red Cross Outposts		**9,049**	**69,146**	**15,689**	**84,835**	**232**	**95**	**81**	**45.5**
GRAND TOTALS incl. Red Cross		**318,815**	**3,487,392**	**431,693**	**3,919,085**	**10,708**	**2,573**	**9,915**	**68.4**

¶Includes 57 isolation patients with 608 days.
*Includes 25 isolation patients with 300 days.
**Includes 84 isolation patients with 1,864 days.
†Includes 614 isolation patients with 16,393 days.
‡Includes 274 isolation patients with 3,229 days.
‡‡Includes 100 isolation patients with 1,912 days.

PUBLIC HOSPITALS (Cont'd)

TABLE No. III.—Showing the cost of operating the hospitals, and the average daily cost of each patient.

Name of Hospital	Location	Total patient days, all patients, for year	Interest and capital charges	Cost of dietaries	Other operating costs	Total operating cost	Average daily per capita cost
GROUP 1 Capacity, 1 to 25 Beds			$ c.	$ c.	$ c.	$ c.	$ c.
Bowmanville	Bowmanville	5,816	....	3,875.61	13,003.84	16,879.45	2.90
Municipal	Cobalt	2,400	....	1,207.22	6,276.71	7,483.93	3.12
Haldimand War Memorial	Dunnville	4,752	....	3,008.29	12,377.37	15,385.66	3.24
Red Cross Memorial	Durham	4,341	393.08	1,332.11	6,691.62	8,023.73	1.85
Hanover Memorial	Hanover	3,634	170.00	1,477.76	8,271.68	9,749.44	2.68
Notre Dame	Hawkesbury	5,880	156.71	2,952.41	14,114.67	17,067.08	2.90
Rosedale War Memorial	Matheson	3,147	....	1,784.09	7,759.26	9,543.35	3.03
Louise Marshall	Mount Forest	2,804	....	1,171.04	6,076.74	7,247.78	2.58
Niagara Cottage	Niagara-on-the-Lake	3,150	....	1,711.27	6,359.61	8,070.88	2.56
Palmerston General	Palmerston	3,957	....	2,316.61	8,263.59	10,580.20	2.67
General	Penetanguishene	3,186	....	1,112.56	7,581.21	8,693.77	2.73
Wingham General	Wingham	3,251	....	1,684.02	10,528.52	12,212.54	3.76
TOTALS	....	46,318	719.79	23,632.99	107,304.82	130,937.81	2.83
GROUP 2 Capacity, 26 to 50 Beds							
Stevenson Memorial	Alliston	7,842	....	4,152.58	21,406.90	25,559.48	3.26
Rosamond Memorial	Almonte	6,527	....	2,791.57	12,734.85	15,526.42	2.38
St. Joseph's	Blind River	1,621	....	795.15	3,106.61	3,901.76	2.41
Lady Minto	Chapleau	7,194	....	3,437.28	14,054.11	17,491.39	2.43
Clinton Public	Clinton	5,565	769.76	3,371.21	12,331.76	15,702.97	2.82
Groves Memorial	Fergus	5,214	....	3,211.11	15,785.73	18,996.84	3.64
Douglas Memorial	Fort Erie	8,943	....	7,489.62	28,204.60	35,694.22	3.99
Alexandra Marine & General	Goderich	9,539	112.46	7,500.45	21,124.93	28,625.38	3.00
Misericordia	Haileybury	7,581	4,937.61	3,679.96	13,415.04	17,095.00	2.25
St. Paul's	Hearst	13,011	....	8,043.85	23,140.56	31,184.41	2.40
Alexandra	Ingersoll	8,885	....	3,886.78	16,033.27	19,920.05	2.24
Anson General	Iroquois Falls	8,323	....	6,917.98	34,817.14	41,735.12	5.01
Kincardine General	Kincardine	6,596	....	2,929.29	12,104.68	15,033.97	2.28
Memorial	Listowel	4,323	....	1,957.23	11,178.00	13,135.23	3.04
General	Mattawa	9,509	....	5,453.59	19,232.87	24,686.46	2.60
St. Andrew's	Midland	12,544	....	4,586.91	19,181.08	23,767.99	1.89
York County	Newmarket	11,639	....	6,043.13	25,739.96	31,783.09	2.73
Queen Victoria Memorial	North Bay	11,865	....	8,375.53	32,149.14	40,524.67	3.42
Lord Dufferin	Orangeville	9,829	....	3,966.38	20,939.62	24,906.00	2.53
Willett	Paris	8,053	....	3,667.62	16,320.72	19,988.34	2.48
Parry Sound General	Parry Sound	11,496	....	4,395.42	13,622.67	18,018.09	1.57
Charlotte E. Englehart	Petrolia	8,498	....	4,202.39	22,728.27	26,930.66	3.17
Scott Memorial	Seaforth	5,813	....	3,052.16	12,846.16	15,898.32	2.73
Sioux Lookout General	Sioux Lookout	4,769	....	2,352.31	11,836.66	14,188.97	2.98
St. Francis General	Smith's Falls	8,887	392.00	8,579.31	19,621.46	28,200.77	3.17
Porcupine General	South Porcupine	10,551	....	6,936.99	35,544.92	42,481.91	4.03
Strathroy General	Strathroy	9,868	....	4,800.10	17,838.78	22,638.88	2.29
St. Jean de Brebeuf	Sturgeon Falls	9,751	....	3,475.18	17,462.35	20,937.53	2.15
Soldiers' Memorial	Tillsonburg	11,701	....	6,382.00	27,560.25	33,942.25	2.90
Lockwood Clinic	Toronto	7,914	2,059.11	3,562.86	32,169.52	35,732.38	4.52
Mothercraft	Toronto	3,813	....	3,075.02	10,863.93	13,938.95	3.66
County of Bruce General	Walkerton	7,807	....	3,404.45	18,767.21	22,171.66	2.84
TOTALS	....	265,471	8,270.94	146,475.41	613,863.75	760,339.16	2.86
GROUP 3 Capacity, 51 to 100 Beds							
Royal Victoria	Barrie	20,652	....	13,095.16	31,626.48	44,721.64	2.17
Peel Memorial	Brampton	11,073	240.00	7,146.05	26,005.30	33,151.35	2.99
St. Vincent de Paul	Brockville	16,523	1,416.00	16,574.39	43,434.92	60,009.31	3.63
Cobourg General	Cobourg	9,485	....	3,986.63	23,343.33	27,329.96	2.88
Lady Minto	Cochrane	15,898	....	9,017.09	28,745.85	37,762.94	2.38
General and Marine	Collingwood	17,787	....	12,964.59	32,072.93	45,037.52	2.53
Cornwall General	Cornwall	22,949	331.25	18,933.55	54,784.68	73,718.23	3.21
Galt General	Galt	21,053	7,305.53	14,454.44	61,436.43	75,890.87	3.60
Kenora General	Kenora	11,159	918.00	8,314.42	23,841.14	32,155.56	2.88
St. Joseph's	Kenora	12,191	5,100.00	8,400.07	24,546.35	32,946.42	2.70
Ross Memorial	Lindsay	18,044	....	9,929.28	37,092.74	47,022.02	2.61
Orillia Soldiers' Memorial	Orillia	22,384	645.34	15,590.55	41,479.45	57,070.00	2.55
Protestant Children's	Ottawa	10,342	920.00	4,780.84	29,747.69	34,528.53	3.34
Salvation Army Grace	Ottawa	37,092	5,450.00	13,288.01	47,518.11	60,806.12	1.64
St. Joseph's General	Parry Sound	14,313	3,400.00	7,532.01	19,213.57	26,745.58	1.87
Pembroke Cottage	Pembroke	15,584	....	8,625.78	37,399.90	46,025.68	2.95
Great War Memorial	Perth	13,748	....	7,831.42	28,544.83	36,376.25	2.65
Nicholl's	Peterborough	30,086		20,501.30	76,491.08	96,992.38	3.22

PUBLIC HOSPITALS (Cont'd)

TABLE No. III.—Showing the cost of operating the hospitals, and the average daily cost of each patient.

Name of Hospital	Location	Total patient days, all patients, for year	Interest and capital charges	Cost of dietaries	Other operating costs	Total operating cost	Average daily per capita cost
Group 3 (Cont'd)			$ c.	$ c.	$ c.	$ c.	$ c.
Prince Edward County	Picton	11,204	689.39	5,404.75	16,748.25	22,153.00	1.98
Port Hope	Port Hope	8,602	....	3,532.69	21,136.54	24.669.23	2.87
Victoria	Renfrew	13,457	3,957.77	7,080.54	22,294.14	29,374.68	2.18
Plummer Memorial	Sault Ste, Marie	16,064	1,608.49	10,261.04	31,211.19	41,472.23	2.58
Norfolk General	Simcoe	18.469	....	8.121.28	50,896.34	59,017.62	3.20
Smith's Falls Public	Smith's Falls	14,740	....	9,258.22	30,136.40	39,394.62	2.67
Salvation Army Grace	Toronto	23,056	5,940.00	12.021.90	42,890.23	54,912.13	2.38
Welland County General	Welland	21,094	....	11,928.42	57,229.25	69.157.67	3.28
Woodstock General	Woodstock	23,652	250.00	16,386.14	61,902.94	78.289.08	3.31
TOTALS	....	470,701	38,171.77	284,960.56	1,001,770.06	1,286,730.62	2.73
GROUP 4 Capacity, 101 to 200 Beds							
Belleville General	Belleville	48,332	2,212.32	28,981.83	109,826.89	138,808.72	2.87
Brockville General	Brockville	27,747	353.50	21,309.49	63,094.47	84.403.96	3.04
Public General	Chatham	28,543	3,486.64	20,421.86	55,130.61	75,552.47	2.65
St. Joseph's	Chatham	27,318	....	19,339.94	55,907.73	75,247.67	2.75
Hotel Dieu	Cornwall	39,205	10,888.88	21,493.50	60,162.57	81,656.07	2.08
McKellar General	Fort William	62,224	21,524.65	28,963.96	121,678.65	150.642.61	2.42
Guelph General	Guelph	25,835	....	22,122.20	69,099.99	91,222.19	3.53
St. Joseph's	Guelph	28,295	....	22,144.26	56,003.62	78.147.88	2.76
St. Joseph's	Hamilton	54,813	....	37,303.59	103,375.10	140,678.69	2.57
Hotel Dieu	Kingston	44,766	11,343.80	31,108.06	85,154.98	116.263.04	2.60
Kitchener-Waterloo	Kitchener	30,693	1,664.65	24.174.89	95,107.37	119,282.26	3.89
St. Mary's	Kitchener	29,027	10.046.30	24,487.63	59,454.25	83,941.88	2.89
Niagara Falls General	Niagara Falls	27,703	....	15,331.23	69,784.33	85.115.56	3.07
St. Joseph's General	North Bay	22,177	15,850.13	12,996.49	29,242.80	42,239.29	1.90
Oshawa General	Oshawa	28,100	....	22,274.27	71,723.17	93,997.44	3.35
General and Marine	Owen Sound	21,314	880.00	13,769.71	56,590.77	70.360.48	3.30
General	Pembroke	21,769	....	14,091.63	50,462.54	64,554.17	2.97
St. Joseph's	Peterborough	22,145	1,885.07	13,737.00	39,690.27	53,427.27	2.41
General	Port Arthur	33,956	34,798.44	21,782.52	73,188.87	94,971.39	2.80
St. Joseph's General	Port Arthur	47,935	....	30,171.30	85,266.19	115,437.49	2.41
St. Catharines General	St. Catharines	41,370	1,153.18	29,701.14	112,693.32	142,394.46	3.44
Memorial	St. Thomas	35,812	....	24,053.79	92,246.50	116.300.29	3.25
Sarnia General	Sarnia	30,543	....	21,853.25	70,581.79	92.435.04	3.03
General	Sault Ste. Marie	17,956	....	10,210.38	41,343.44	51,553.82	2.87
Stratford General	Stratford	27,928	....	21,003.34	67,941.66	88,945.00	3.18
St. Mary's	Timmins	32,774	....	23,664.59	99.639.20	123.303.79	3.76
Mount Sinai	Toronto	33,148	686.32	20,026.99	95,382.19	115,409.18	3.48
Toronto East General	Toronto	56,437	449.38	37,618.83	154,160.12	191,778.95	3.40
Wellesley	Toronto	33,107	11,345.04	41,874.92	114.298.66	156,173.58	4.72
Women's College	Toronto	50,170	6,495.75	30,336.68	136,045.46	166,382.14	3.32
Metropolitan General	Windsor	35,679	....	21,519.92	148,253.97	169,773.89	4.76
Salvation Army Grace	Windsor	36,336	5,104.00	24,597.34	82,592.37	107,189.71	2.95
TOTALS	....	1,103,157	140,168.05	752,466.53	2,625,123.85	3,377,590.38	3.06
GROUP 5 Capacity, 201 Beds and Over							
Brantford General	Brantford	58,239	....	33,723.87	159,029.97	192,753.84	3.31
Hamilton General	Hamilton	207,243	....	126,544.41	545,940.13	672,484.54	3.24
Kingston General	Kingston	84,913	5,405.33	66,931.15	231,482.31	298,413.46	3.51
St. Joseph's	London	70,566	19,426.19	50,224.27	161,395.75	211,620.02	3.00
Victoria	London	128,447	92,984.03	82,721.23	353,613.79	436,335.02	3.40
Ottawa Civic	Ottawa	200,853	119,612.21	128,840.07	506,195.26	635.035.33	3.16
Ottawa General	Ottawa	113,601	32,738.71	49,661.10	248,489.73	298.150.83	2.62
St. Joseph's	Sudbury	57,593	18,406.10	30.221.19	131,800.40	162,021.59	2.81
Hospital for Sick Children	Toronto	133,925	....	98,283.47	481,761.69	580,045.16	4.33
St. Joseph's	Toronto	101,385	21,639.40	65,219.30	231,905.27	297,124.57	2.93
St. Michael's	Toronto	195,776	49,474.16	130,377.01	508,972.31	639,349.32	3.27
Toronto General	Toronto	372,812	....	250,626.67	1,312,746.66	1,563,373.33	4.19
Toronto Western	Toronto	175,807	15,500.00	134,162.34	608,553.55	742,715.89	4.22
Hotel Dieu	Windsor	46,835	11,737.15	34,854.65	121,255.88	156,110.53	3.33
TOTALS	....	1,947,995	386,923.28	1,282,390.73	5,603,142.70	6,885,533.43	3.53
GRAND TOTALS:							
Public General Hospitals	....	**3,833,642**	**574,253.83**	**2,489,926.22**	**9,951,205.18**	**12,441,131.40**	**3.25**
Red Cross Outposts	....	**83,641**	....	**50,464.93**	**248,824.01**	**299,288.94**	**3.26**
GRAND TOTALS incl. Red Cross	....	**3,917,283**	**574,253.83**	**2,540,391.15**	**10,200,029.19**	**12,740,420.34**	**3.25**

PUBLIC HOSPITALS (Cont'd)

TABLE No. IV.—Showing the sources of income of hospitals.

Name of Hospital	Location	Income from patients for treatment	Income from municipalities for patients' treatment	Income from investments, endowments, property, miscellaneous	Income from donations, bequests and other gratuitous sources	Grants from municipalities for building, debentures, etc.	Total income from all sources other than Government grants
GROUP 1 Capacity, 1 to 25 Beds		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Bowmanville	Bowmanville	12,141.99	2,398.10	1,370.04	573.29	....	16,483.42
Municipal	Cobalt	6,585.09	538.93	14.02	....	....	7,138.04
Haldimand War Memorial	Dunnville	11,187.43	2,634.75	46.68	724.32	....	14,593.18
Red Cross Memorial	Durham	8,295.14	1,417.28	61.41	120.00	....	9,893.83
Hanover Memorial	Hanover	7,255.15	1,923.72	203.93	124.59	....	9,507.39
Notre Dame	Hawkesbury	8,107.22	5,578.15	83.22	352.46	....	14,121.05
Rosedale War Memorial	Matheson	3,694.72	....	2,980.00	84.85	....	6,759.57
Louise Marshall	Mount Forest	6,263.28	937.55	54.00	257.00	....	7,511.83
Niagara Cottage	Niagara-on-Lake	6,349.60	1,301.50	203.75	50.00	....	7,904.85
Palmerston General	Palmerston	10,758.46	150.00	75.50	500.00	....	11,483.96
General	Penetanguishene	6,340.07	2,787.58	156.33	53.35	....	9,337.33
Wingham	Wingham	10,538.31	1,698.40	110.29	176.00	....	12,523.00
TOTALS	....	97,516.46	21,365.96	5,359.17	3,015.86	....	127,257.45
GROUP 2 Capacity, 26 to 50 Beds							
Stevenson Memorial	Alliston	19,049.53	3,301.30	14,861.88	40.00	....	37,252.71
Rosamond Memorial	Almonte	13,178.86	1,316.05	1,927.26	2,437.82	....	18,859.99
St. Joseph's	Blind River	2,403.00	....	....	511.23	....	2,914.23
Lady Minto	Chapleau	14,592.09	....	958.80	....	....	15,550.89
Clinton Public	Clinton	15,255.63	1,688.25	283.07	25.00	....	17,251.95
Groves Memorial	Fergus	14,910.45	2,855.35	52.43	473.44	....	18,291.67
Douglas Memorial	Fort Erie	28,019.56	5,691.05	4,780.16	817.09	....	39,307.86
Alexandra Marine & Gen.	Goderich	22,395.24	3,978.05	1,961.64	5,286.00	....	33,620.93
Misericordia	Haileybury	17,994.49	2,372.65	4,488.18	3,251.67	....	28,106.99
St. Paul's	Hearst	10,016.38	7.15	200.12	2,707.83	....	12,931.48
Alexandra	Ingersoll	18,476.70	3,251.00	1,368.24	118.00	....	23,213.94
Anson General	Iroquois Falls	24,286.93	3,864.98	....	....	....	28,151.91
Kincardine General	Kincardine	12,891.83	4,200.00	419.53	9.30	....	17,520.66
Memorial	Listowel	12,204.28	2,550.00	384.09	....	....	15,138.37
General	Mattawa	7,055.85	7,010.90	2,029.19	3,535.18	....	19,631.12
St. Andrew's	Midland	19,475.88	6,917.80	228.67	185.00	....	26,807.35
York County	Newmarket	25,261.35	7,416.35	35.50	50.00	....	32,763.20
Queen Victoria Memorial	North Bay	34,353.47	11,267.84	32.75	426.80	....	46,080.86
Lord Dufferin	Orangeville	21,678.50	6,013.10	341.20	643.05	....	28,675.85
Willett	Paris	18,471.96	4,516.15	677.88	22.00	....	23,687.99
Parry Sound General	Parry Sound	19,291.64	2,881.20	....	784.15	....	22,956.99
Charlotte E. Englehart	Petrolia	20,608.12	2,405.75	3,890.52	87.00	....	26,991.39
Scott Memorial	Seaforth	15,691.05	1,441.10	472.83	....	....	17,604.98
Sioux Lookout General	Sioux Lookout	14,209.52	253.25	684.78	1,658.68	....	16,806.23
St. Francis General	Smith's Falls	17,744.50	3,491.00	9.31	9,136.23	....	30,381.04
Porcupine General	South Porcupine	38,864.10	1,214.80	7,717.65	1,549.96	....	49,346.51
Strathroy General	Strathroy	15,414.65	6,999.15	538.12	466.24	....	23,418.16
St. Jean de Brebeuf	Sturgeon Falls	7,689.60	10,074.62	26.60	3.00	....	17,793.82
Soldiers' Memorial	Tillsonburg	23,589.65	6,966.70	4,188.53	3,136.99	....	37,881.87
Lockwood Clinic	Toronto	39,575.98	....	....	....	....	39,575.98
Mothercraft	Toronto	3,223.65	3,715.75	231.60	354.15	....	7,525.15
County of Bruce Gen.	Walkerton	19,928.59	4,800.00	500.96	1,329.96	....	26,559.51
TOTALS	....	587,803.03	122,461.29	53,291.49	39,045.77	....	802,601.58
GROUP 3 Capacity, 51 to 100 Beds							
Royal Victoria	Barrie	39,764.62	9,097.85	1,261.66	108.75	....	50,232.88
Peel Memorial	Brampton	31,202.01	5,197.65	....	....	....	36,399.66
St. Vincent de Paul	Brockville	48,201.11	5,132.25	306.00	13,803.10	....	67,442.46
Cobourg General	Cobourg	21,368.13	4,050.00	2,492.64	785.10	....	28,695.87
Lady Minto	Cochrane	16,003.83	4,339.15	3,070.05	102.19	....	23,515.22
General and Marine	Collingwood	37,391.49	7,830.20	704.76	696.78	....	46,623.23
Cornwall General	Cornwall	54,244.47	14,624.00	5,024.93	3,040.77	....	76,934.17
Galt General	Galt	57,988.25	9,126.50	1,785.60	9,955.97	9,805.53	88,661.85
Kenora General	Kenora	20,804.56	8,849.53	15.31	1,347.22	2,500.00	33,516.62
St. Joseph's	Kenora	16,627.67	8,007.98	180.00	5,854.34	....	30,669.99
Ross Memorial	Lindsay	41,864.58	9,377.50	2,271.67	....	....	53,513.75
Orillia Soldiers' Memorial	Orillia	50,539.16	6,336.85	1,096.37	....	....	57,972.38
Protestant Children's	Ottawa	6,136.90	12,998.25	107.04	16,892.39	....	36,134.58
Salvation Army Grace	Ottawa	45,035.19	6,638.25	2,292.21	816.96	....	54,782.61
St. Joseph's General	Parry Sound	25,401.60	2,109.35	22.18	5,559.18	....	33,092.31
Pembroke Cottage	Pembroke	43,028.23	5,402.55	2,175.39	401.00	....	51,007.17
Great War Memorial	Perth	38,004.26	3,588.25	2,239.05	....	....	43,831.56
Nicholl's	Peterborough	75,911.36	15,850.00	12,865.17	....	....	104,626.53

PUBLIC HOSPITALS (Cont'd)

Table No. IV.—Showing the sources of income of hospitals.

Name of Hospital	Location	Income from patients for treatment	Income from municipalities for patients' treatment	Income from investments, endowments, property, miscellaneous	Income from donations, bequests and other gratuitous sources	Grants from municipalities for building, debentures, etc.	Total income from all sources other than Government grants
Group 3 (Cont'd)		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Prince Edward County	Picton	19,502.13	5,829.83	793.70	1,726.41		27,852.07
Port Hope	Port Hope	19,782.26	4,205.45	1,365.44	482.00		25,835.15
Victoria	Renfrew	22,673.01	8,323.15	147.67			31,143.83
Plummer Memorial	Sault Ste. Marie.	44,226.36	2,315.75		250.00		46,792.11
Norfolk General	Simcoe	38,559.82	10,322.00	85.35	1,606.11		50,573.28
Smith's Falls Public	Smith's Falls	27,650.63	13,654.90	2,203.18	3,933.46		47,442.17
Salvation Army Grace	Toronto	46,725.34	5,338.20	1,997.09	417.39		54,478.02
Welland County General.	Welland	60,754.85	8,567.74	200.03	10,192.21		79,714.83
Woodstock General	Woodstock	61,482.88	8,931.59	1,284.31	2,010.41		73,709.19
TOTALS		1,010,874.70	206,044.72	45,986.80	79,981.74	12,305.53	1,355,193.49
GROUP 4 Capacity, 101 to 200 Beds							
Belleville General	Belleville	110,865.86	38,066.15	1,812.00	7,396.35	20,000.00	178,140.36
Brockville General	Brockville	72,736.08	14,191.50	4,378.78	22,332.99		113,639.35
Public General	Chatham	80,178.56	6,665.75	77.84	2,976.84	8,500.00	98,398.99
St. Joseph's	Chatham	69,930.43	15,017.65	2,346.04	12,847.23		100,141.35
Hotel Dieu	Cornwall	43,912.42	41,154.45	.95	369.50		85,437.32
McKellar General	Fort William	148,586.48	44,560.67	65.00	100.00	*1,459.50	194,771.65
Guelph General	Guelph	81,472.43	16,504.01	4,227.40	1,085.00		103,288.84
St. Joseph's	Guelph	68,850.67	8,504.27	1,017.91	6,749.19		85,122.04
St. Joseph's	Hamilton	127,697.79	21,745.05	995.24	6,732.53		157,170.61
Hotel Dieu	Kingston	86,792.37	28,941.80	595.02	42,941.44		159,270.63
Kitchener-Waterloo	Kitchener	99,248.36	39,797.05	4,331.59		*394.00	143,771.00
St. Mary's	Kitchener	77,700.09	17,569.71	6,930.88	14,667.95		116,868.63
Niagara Falls General	Niagara Falls	94,943.49	12,910.33	303.22	908.00		109,065.04
St. Joseph's General	North Bay	42,600.66	12,097.35	1,146.92	11,131.90		66,976.83
Oshawa General	Oshawa	95,141.07	8,469.87	9,226.54	1,165.70		114,003.18
General and Marine	Owen Sound	70,716.47	6,661.65	237.54	568.48	2,500.00	80,684.14
General	Pembroke	45,968.53	8,276.05	38.27	13,806.40		68,089.25
St. Joseph's	Peterborough	49,984.00	9,146.20	353.62	58,015.00		117,498.82
General	Port Arthur	68,004.78	13,500.00	1,181.87	1,278.53		83,965.18
St. Joseph's General	Port Arthur	149,791.66	13,500.00	159.67	1,898.71		165,350.04
St. Catharines General	St. Catharines	115,407.94	23,519.65	6,300.06	5,083.32	*1,438.50	151,749.47
Memorial	St. Thomas	111,312.27	22,538.31	1,881.59	278.04		136,010.21
Sarnia General	Sarnia	82,791.04	15,683.69	2,723.03	101.59		101,299.35
General	Sault Ste. Marie.	52,347.87	223.27		7,957.65		60,528.79
Stratford General	Stratford	76,541.66	12,373.55	12.49	140.00		89,067.70
St. Mary's	Timmins	107,390.52	11,070.05	3,673.69	12,277.58		134,411.84
Mount Sinai	Toronto	82,278.27	20,568.10	373.62	19,057.03		122,277.02
Toronto East General	Toronto	148,487.10	38,910.91	8,051.23	2,730.33	*574.75	198,754.32
Wellesley	Toronto	169,943.95	3,921.08	1,559.54			175,424.57
Women's College	Toronto	127,756.79	35,378.15	77.03	52.44	*1,400.00	164,664.41
Metropolitan General	Windsor	124,457.16	16,112.20	2,970.93	639.85	*5,000.00	149,180.14
Salvation Army Grace	Windsor	91,328.63	12,140.34	3,265.65	147.22		106,881.84
TOTALS		2,975,165.40	589,718.81	70,315.16	255,436.79	41,266.75	3,931,902.91
GROUP 5 Capacity, 201 Beds and Over							
Brantford General	Brantford	115,896.49	43,166.62	989.76	428.48	*500.00 3,500.00	164,481.35
Hamilton General	Hamilton	348,621.15	294,857.20				643,478.35
Kingston General	Kingston	207,506.04	61,650.09	19,924.51	2,725.00	*9,834.50	301,640.14
St. Joseph's	London	212,344.88	29,068.79	6,016.75	42,269.90		289,700.32
Victoria	London	279,469.94	101,529.25	1,714.52		*10,768.00 92,984.03	486,465.74
Ottawa Civic	Ottawa	485,722.90	130,426.45	7,971.51	1,097.03	*8,000.00 119,612.21	752,830.10
Ottawa General	Ottawa	211,639.54	100,474.01	2,434.64	34,765.80	*2,000.00	351,313.99
St. Joseph's	Sudbury	161,614.37	15,115.95	1,533.56	26,580.56		204,844.44
Hosp. for Sick Children	Toronto	160,157.90	174,990.61	75,907.06	61,682.92	*10,635.72	483,374.21
St. Joseph's	Toronto	192,009.18	86,509.67	17,623.33	28,225.85		324,368.03
St. Michael's	Toronto	381,882.82	200,417.18	3,217.88	80,704.44	*5,810.50	672,032.82
Toronto General	Toronto	1,068,428.87	316,692.48	77,757.88	14,369.87	*6,824.75	1,484,073.85
Toronto Western	Toronto	576,998.49	118,734.81	3,116.36	182.00	*4,749.00	703,780.66
Hotel Dieu	Windsor	150,729.11	17,680.61	5,981.98	21,395.34		195,787.04
TOTALS		4,553,021.68	1,691,313.72	224,189.74	314,427.19	275,218.71	7,058,171.04
GRAND TOTALS:							
Public General Hospitals		**9,224,381.27**	**2,630,904.50**	**399,142.36**	**691,907.35**	**†328,790.99**	**13,275,126.47**
Red Cross Outposts		**201,363.72**	**17,547.57**	**2,047.52**	**23,134.88**		**244,093.69**
GRAND TOTALS incl. Red Cross		**9,425,744.99**	**2,648,452.07**	**401,189.88**	**715,042.23**	**†328,790.99**	**13,519,220.16**

*Grants from Province for special clinics, radiotherapy and poliomyelitis.

†Includes grants from Province for special clinics, radiotherapy and poliomyelitis amounting to $69,389.22.

PUBLIC HOSPITALS (Cont'd)

TABLE No. V.—Showing the basis on which statutory aid is granted.

Name of Hospital	Location	Days at 60c.	Days at 10c.	Infants born, days at 30c.	Amount	Grant for indigents from unorganized territory	Adjustments DEBIT	Total Government grant
GROUP 1 Capacity, 1 to 25 Beds					$ c.	$ c.	$ c.	$ c.
Bowmanville	Bowmanville	1,495	273	368	1,034.70		1.80	1,032.90
Municipal	Cobalt	531		88	345.00	32.20	21.00	356.20
Haldimand War Memorial	Dunnville	1,179	94	100	746.80		41.70	705.10
Red Cross Memorial	Durham	668	958	76	519.40		18.00	501.40
Hanover Memorial	Hanover	755	366	169	540.30		111.90	428.40
Notre Dame	Hawkesbury	3,636		95	2,210.10		35.40	2,174.70
Rosedale War Memorial	Matheson	1,472		273	965.10	1,845.50	18.40	2,792.20
Louise Marshall	Mount Forest	410	148	131	300.10			300.10
Niagara Cottage	Niagara-on-Lake	1,385	4	142	874.00			874.00
Palmerston General	Palmerston	462		43	290.10		48.00	242.10
General	Penetanguishene	1,702	50	298	1,115.60	176.30	6.90	1,285.00
Wingham General	Wingham	230	280	14	170.20			170.20
TOTALS		13,925	2,173	1,797	9,111.40	2,054.00	303.10	10,862.30
GROUP 2 Capacity, 26 to 50 Beds								
Stevenson Memorial	Alliston	1,330	48	56	819.60		16.20	803.40
Rosamond Memorial	Almonte	2,170	9	409	1,425.60		7.20	1,418.40
St. Joseph's	Blind River	477		49	300.90	401.10	8.40	693.60
Lady Minto	Chapleau	1,502		153	947.10	3,938.45	143.90	4,741.65
Clinton Public	Clinton	804	24	151	530.10		2.40	527.70
Groves Memorial	Fergus	859	372	92	580.20			580.20
Douglas Memorial	Fort Erie	1,355	642	66	897.00		9.00	888.00
Alexandra Marine & Gen.	Goderich	3,483	220	297	2,200.90		33.00	2,167.90
Misericordia	Haileybury	4,124	985	130	2,611.90	2,861.29	130.80	5,342.39
St. Paul's	Hearst	9,063	298	793	5,705.50	12,284.13	356.75	17,632.88
Alexandra	Ingersoll	2,539	234	222	1,613.40		14.40	1,599.00
Anson General	Iroquois Falls	1,585		103	981.90	1,075.60	1.20	2,056.30
Kincardine General	Kincardine	1,495	2,123	43	1,122.20			1,122.20
Memorial	Listowel	938		59	580.50			580.50
General	Mattawa	3,878	1,609	216	2,552.50	5,314.35	45.00	7,821.85
St. Andrew's	Midland	4,792	2,008	652	3,271.60	339.50	58.50	3,552.60
York County	Newmarket	3,524	831	363	2,306.40		51.60	2,254.80
Queen Victoria Memorial	North Bay	2,541	83	163	1,581.80	289.10		1,870.90
Lord Dufferin	Orangeville	2,584	101	279	1,644.20	19.60	14.10	1,649.70
Willett	Paris	1,833	442	150	1,189.00		6.00	1,183.00
Parry Sound General	Parry Sound	4,397	56	447	2,777.90	2,145.39	62.52	4,860.77
Charlotte E. Englehart	Petrolia	1,369		55	837.90			837.90
Scott Memorial	Seaforth	834	69	48	521.70		26.40	495.30
Sioux Lookout General	Sioux Lookout	452		26	279.00	443.90		722.90
St. Francis General	Smith's Falls	2,444	2,621	146	1,772.30			1,772.30
Porcupine General	South Porcupine	678	58	27	420.70	155.40		576.10
Strathroy General	Strathroy	3,541	836	220	2,274.20		15.00	2,259.20
St. Jean de Brebeuf	Sturgeon Falls	7,830	197	243	4,790.60	1,548.70	49.60	6,289.70
Soldiers' Memorial	Tillsonburg	2,949	718	285	1,926.70		.60	1,926.10
Lockwood Clinic	Toronto	242			145.20		6.60	138.60
Mothercraft	Toronto	3,191	120		1,926.60			1,926.60
County of Bruce General	Walkerton	2,681	9	285	1,695.00	21.00	50.10	1,665.90
TOTALS		81,484	14,713	6,228	52,230.10	30,837.51	1,109.27	81,958.34
GROUP 3 Capacity, 51 to 100 Beds								
Royal Victoria	Barrie	4,842	1,437	265	3,128.40			3,128.40
Peel Memorial	Brampton	1,320		91	819.30			819.30
St. Vincent de Paul	Brockville	3,844	816	280	2,472.00			2,472.00
Cobourg General	Cobourg	3,202	59	413	2,051.00		10.80	2,040.20
Lady Minto	Cochrane	8,175	1,148	679	5,223.50	10,230.40	16.30	15,437.60
General and Marine	Collingwood	6,693	602	569	4,246.70		43.80	4,202.90
Cornwall General	Cornwall	9,106	339	681	5,701.80			5,701.80
Galt General	Galt	5,231	1,020	237	3,311.70		72.30	3,239.40
Kenora General	Kenora	2,866	2,101	441	2,062.00	101.10	4.80	2,158.30
St. Joseph's	Kenora	3,593	2,580	447	2,547.90	2,365.60	14.25	4,899.25
Ross Memorial	Lindsay	7,027	386	843	4,507.70	20.00	21.00	4,506.70
Orillia Soldiers' Memorial	Orillia	8,573	286	812	5,416.00	9.80	252.90	5,172.90
Protestant Children's	Ottawa	8,737	207		5,262.90		29.40	5,233.50
Salvation Army Grace	Ottawa	8,117		6,002	6,670.80			6,670.80
St. Joseph's General	Parry Sound	5,509	1,078	603	3,594.10	4,078.60	91.25	7,581.45
Pembroke Cottage	Pembroke	3,494	1,716	212	2,331.60	134.40	70.20	2,395.80
Great War Memorial	Perth	2,697	889	166	1,756.90		33.30	1,723.60
Nicholl's	Peterborough	6,699	1,182	906	4,409.40		55.70	4,353.70

PUBLIC HOSPITALS (Cont'd)

TABLE No. V.—Showing the basis on which statutory aid is granted.

Name of Hospital	Location	Days at 60c.	Days at 10c.	Infants born, days at 30c.	Amount	Grant for indigents from unorganized territory	Adjustments DEBIT	Total Government grant
Group 3 (Cont'd)					$ c.	$ c.	$ c.	$ c.
Prince Edward County	Picton	3,649	650	755	2,480.90		17.70	2,463.20
Port Hope	Port Hope	2,618	236	414	1,718.60			1,718.60
Victoria	Renfrew	6,084	1,416	522	3,948.60	106.40	22.60	4,032.40
Plummer Memorial	Sault Ste. Marie.	2,674	161	70	1,641.50	508.90	1.20	2,149.20
Norfolk General	Simcoe	6,261	426	590	3,976.20		10.80	3,965.40
Smith's Falls Public	Smith's Falls	4,350	3,049	535	3,075.40		87.90	2,987.50
Salvation Army Grace	Toronto	2,493		1,581	1,970.10		241.20	1,728.90
Welland County General	Welland	2,545	232	133	1,590.10		38.40	1,551.70
Woodstock General	Woodstock	5,903	1,175	603	3,840.20		146.40	3,693.80
TOTALS		136,302	23,191	18,850	89,755.30	17,555.20	1,282.20	106,028.30
GROUP 4 Capacity, 101 to 200 Beds								
Belleville General	Belleville	19,330	527	1,166	12,000.50	21.00	358.50	11,663.00
Brockville General	Brockville	7,999	1,514	461	5,089.10			5,089.10
Public General	Chatham	5,106	873	240	3,222.90		24.00	3,198.90
St. Joseph's	Chatham	7,194	503	826	4,614.50		140.40	4,474.10
Hotel Dieu	Cornwall	23,346	1,178	1,862	14,684.00		29.40	14,654.60
McKellar General	Fort William	25,049	8,886	1,937	16,499.10	8,470.20	187.85	24,781.45
Guelph General	Guelph	5,793	817	422	3,684.10			3,684.10
St. Joseph's	Guelph	7,689	1,516	644	4,958.20			4,958.20
St. Joseph's	Hamilton	11,046	1,713	467	6,939.00		210.70	6,728.30
Hotel Dieu	Kingston	18,511	1,050	1,609	11,694.30		55.20	11,639.10
Kitchener-Waterloo	Kitchener	6,412	400	249	3,961.90		16.90	3,945.00
St. Mary's	Kitchener	8,214	1,460	339	5,176.10			5,176.10
Niagara Falls General	Niagara Falls	5,307	1,540	502	3,488.80			3,488.80
St. Joseph's General	North Bay	8,822	2,297	583	5,697.80	2,001.20	30.40	7,668.60
Oshawa General	Oshawa	5,573		278	3,427.20		73.20	3,354.00
General and Marine	Owen Sound	4,367	247	270	2,725.90		13.20	2,712.70
General	Pembroke	6,942	2,153	523	4,537.40	36.40		4,573.80
St. Joseph's	Peterborough	8,060	615	1,022	5,204.10			5,204.10
General	Port Arthur	17,180	1,657	965	10,763.20	3,707.25		14,470.45
St. Joseph's General	Port Arthur	21,334	2,411	1,387	13,457.60	7,739.35	2,103.20	19,093.75
St. Catharines General	St. Catharines	12,746	738	670	7,922.40		9.00	7,913.40
Memorial	St. Thomas	9,298	953	1,112	6,007.70		112.50	5,895.20
Sarnia General	Sarnia	6,067	797	502	3,870.50			3,870.50
General	Sault Ste. Marie.	5,606	280	513	3,545.50	1,305.40	58.80	4,792.10
Stratford General	Stratford	8,640	1,228	733	5,526.70	21.00	21.90	5,525.80
St. Mary's	Timmins	4,086	1,060	189	2,614.30	1,547.80	11.40	4,150.70
Mount Sinai	Toronto	13,034	116	515	7,986.50		90.00	7,896.50
Toronto East General	Toronto	21,197	314	1,162	13,098.20		209.70	12,888.50
Wellesley	Toronto	2,690	184	13	1,636.30		62.40	1,573.90
Women's College	Toronto	12,902	309	3,387	8,788.20	19.60	12.60	8,795.20
Metropolitan General	Windsor	9,029	956	140	5,555.00		14.40	5,540.60
Salvation Army Grace	Windsor	8,143	789	316	5,059.50		22.50	5,037.00
TOTALS		336,712	39,081	25,004	213,436.50	24,869.20	3,868.15	234,437.55
GROUP 5 Capacity, 201 Beds and Over								
Brantford General	Brantford	27,592	1,076	2,932	17,542.40			17,542.40
Hamilton General	Hamilton	87,503	2,126	6,191	54,571.70		313.80	54,257.90
Kingston General	Kingston	33,031	2,585	1,739	20,598.80	732.00	701.70	20,629.10
St. Joseph's	London	20,284	254	1,304	12,587.00		3.00	12,584.00
Victoria	London	64,696	7,866	1,949	40,188.90		169.20	40,019.70
Ottawa Civic	Ottawa	81,627	1,980	4,983	50,669.10	155.40	168.60	50,655.90
Ottawa General	Ottawa	62,402	1,212	2,337	38,263.50	263.90	18.60	38,508.80
St. Joseph's	Sudbury	19,096	478	1,201	11,865.70	7,768.30	69.55	19,564.45
Hosp. for Sick Children	Toronto	99,556	10,049		60,738.50	6,406.10	1,068.20	66,076.40
St. Joseph's	Toronto	51,554	652	2,848	31,852.00	81.20	477.60	31,455.60
St. Michael's	Toronto	106,723	2,314	6,387	66,181.30	1,575.70	109.20	67,647.80
Toronto General	Toronto	182,447	2,632	8,429	112,260.10	10,839.70	135.10	122,964.70
Toronto Western	Toronto	68,820	823	3,871	42,535.60	142.10	387.10	42,290.60
Hotel Dieu	Windsor	8,919	190	297	5,459.50		17.40	5,442.10
TOTALS		914,250	34,237	44.468	565,314.10	27,964.40	3,639.05	589,639.45
GRAND TOTALS:								
Public General Hospitals		1,482,673	113,395	96,347	929,847.40	103,280.31	10,201.77	1,022,925.94
Red Cross Outposts		26,457	1,438	4.675	17,420.50	10,766.80	1,031.70	27,155.60
GRAND TOTALS incl.	**Red Cross**	1,509,130	114,833	101,022	947,267.90	114,047.11	11,233.47	1,050,081.54

PUBLIC HOSPITALS (Cont'd)

TABLE No. VI.—Showing days upon which grant was paid for: (1) long-stay patients in hospitals one year or more and still in residence at December 31st, 1940; (2) indigents from unorganized territory, less amounts paid with regular monthly grants during year.

Name of Hospital	Location	Long-stay Patients				Indigents from Unorganized Territory									
		No. of patients	Days at 60c.	Days at 10c.	Amount	No. of patients	Days at $2.00	Less Days at 60c.	Less Days at 10c.	Amount	No. of infants	Days at $1.00	Less days at 30c.	Amount	Total for Indigents
GROUP 1															
Capacity, 1 to 25 Beds					$ c.					$ c.				$ c.	$ c.
Bowmanville	Bowmanville														
Municipal	Cobalt					2	16	16		22.40	1	14	14	9.80	32.20
Haldimand War Memorial	Dunnville														
Red Cross Memorial	Durham	2		732	73.20										
Hanover Memorial	Hanover	1		366	36.60										
Notre Dame	Hawkesbury														
Rosedale War Memorial	Matheson					93	1,197	1,193		1,678.20	26	239	239	167.30	1,845.50
Louise Marshall	Mount Forest														
Niagara Cottage	Niagara-on-the-Lake														
Palmerston General	Palmerston														
General	Penetanguishene					1	112	73	39	176.30					176.30
Wingham General	Wingham														
Totals		3		1,098	109.80	96	1,325	1,282	39	1,876.90	27	253	253	177.10	2,054.00
GROUP 2															
Capacity, 26 to 50 Beds															
Stevenson Memorial	Alliston														
Rosamond Memorial	Almonte														
St. Joseph's	Blind River					16	281	281		393.40	1	11	11	7.70	401.10
Lady Minto	Chapleau					87	2,331	1,382	2	3,832.60	15	147	137	105.90	3,938.45
Clinton Public	Clinton														
Groves Memorial	Fergus	1		366	36.60										
Douglas Memorial	Fort Erie														
Alexandra Marine and General	Goderich														
Misericordia	Haileybury	1		366	36.60	71	1,792	1,282	133	2,801.50	9	85	84	59.80	2,861.29
St. Paul's	Hearst					469	8,250	7,842	298	11,765.00	66	733	713	519.10	12,284.13
Alexandra	Ingersoll														
Anson General	Iroquois Falls					53	731	728		1,025.20	9	72	72	50.40	1,075.60
Kincardine General	Kincardine	4	360	1,601	376.10										
Memorial	Listowel														
General	Mattawa	2	120	1,045	176.50	30	2,847	592	244	5,314.40					5,314.35
St. Andrew's	Midland	4	120	1,670	239.00	23	217	217		303.80	5	51	51	35.70	339.50
York County	Newmarket														
Queen Victoria Memorial	North Bay					15	201	201		281.40	1	11	11	7.70	289.10
Lord Dufferin	Orangeville					1	14	14		19.60					19.60
Willett	Paris	1		366	36.60										
Parry Sound General	Parry Sound					60	1,276	790	12	2,076.80	9	98	98	68.60	2,145.39
Charlotte Eleanor Englehart	Petrolia														
Scott Memorial	Seaforth														
Sioux Lookout General	Sioux Lookout					24	297	283		424.20	4	23	11	19.70	443.90
St. Francis General	Smith's Falls	5	350	1,798	389.80										
Porcupine General	South Porcupine					5	111	111		155.40					155.40

Strathroy General	Strathroy														
St. Jean de Brebeuf	Sturgeon Falls					60	1,064	1,074		1,483.60	8	93	93	65.10	1,548.70
Soldiers' Memorial	Tillsonburg	1	120	484	120.40										
Lockwood Clinic	Toronto														
Mothercraft	Toronto														
County of Bruce General	Walkerton					1	10	10		14.00	1	10	10	7.00	21.00
TOTALS		19	1,070	7,696	1,411.60	915	19,422	14,807	689	29,890.90	128	1,334	1,291	946.70	30,837.51
GROUP 3															
Capacity, 51 to 100 Beds															
Royal Victoria	Barrie	3	240	1,188	262.80										
Peel Memorial	Brampton														
St. Vincent de Paul	Brockville	1		366	36.60										
Cobourg General	Cobourg														
Lady Minto	Cochrane	1		366	36.60	262	6,773	5,951	782	9,897.20	47	476	476	333.20	10,230.40
General and Marine	Collingwood	1		366	36.60										
Cornwall General	Cornwall														
Galt General	Galt														
Kenora General	Kenora	2		732	73.20	6	65	60		94.00	1	8	3	7.10	101.10
St. Joseph's	Kenora	5	115	1,728	241.80	20	1,327	480	215	2,344.50	3	28	23	21.10	2,365.60
Ross Memorial	Lindsay					1	10			20.00					20.00
Orillia Soldiers' Memorial	Orillia					1	7	7		9.80					9.80
Protestant Children's	Ottawa														
Salvation Army Grace	Ottawa														
St. Joseph's General	Parry Sound	1		366	36.60	98	2,521	1,682	497	3,983.10	13	136	135	95.50	4,078.60
Pembroke Cottage	Pembroke	2	240	912	235.20	3	91	91		127.40	1	10	10	7.00	134.40
Great War Memorial	Perth														
Nicholl's	Peterborough	2		732	73.20										
Prince Edward County	Picton														
Port Hope	Port Hope														
Victoria	Renfrew	1	120	357	107.70	5	76	76		106.40					106.40
Plummer Memorial	Sault Ste. Marie	1		31	3.10	17	359	359		502.60	1	9	9	6.30	508.90
Norfolk General	Simcoe	1		366	36.60										
Smith's Falls Public	Smith's Falls	7	360	2,723	488.30										
Salvation Army Grace	Toronto														
Welland County General	Welland														
Woodstock General	Woodstock	2	120	612	133.20										
TOTALS		30	1,195	10,845	1,801.50	413	11,229	8,706	1,494	17,085.00	66	667	656	470.20	17,555.20
GROUP 4															
Capacity, 101 to 200 Beds															
Belleville General	Belleville					1	10	10		14.00	1	10	10	7.00	21.00
Brockville General	Brockville	1	120	492	121.20										
Public General	Chatham	2	120	693	141.30										
St. Joseph's	Chatham														
Hotel Dieu	Cornwall	1		366	36.60										
McKellar General	Fort William	13	235	4,847	625.70	122	5,182	3,102	1,341	8,368.70	16	145	145	101.50	8,470.20
Guelph General	Guelph	2	240	778	221.80										
St. Joseph's	Guelph	1		366	36.60										
St. Joseph's	Hamilton	1	120	319	103.90										
Hotel Dieu	Kingston														
Kitchener-Waterloo	Kitchener														
St. Mary's	Kitchener	3	120	1,192	191.20										
Niagara Falls General	Niagara Falls	1		366	36.60										
St. Joseph's General	North Bay	3	360	1,243	340.30	58	1,382	1,290	87	1,981.30	3	28	27	19.90	2,001.20
Oshawa General	Oshawa														
General and Marine	Owen Sound														
General	Pembroke	3		1,098	109.80	3	26	26		36.40					36.40

PUBLIC HOSPITALS (Cont'd)

TABLE No. VI.—Showing days upon which grant was paid for: (1) long-stay patients in hospitals one year or more and still in residence at December 31st, 1940; (2) indigents from unorganized territory, less amounts paid with regular monthly grants during year.

Name of Hospital	Location	Long-stay Patients				Indigents from Unorganized Territory									
		No. of patients	Days at 60c.	Days at 10c.	Amount	No. of patients	Days at $2.00	Less Days at 60c.	Less Days at 10c.	Amount	No. of infants	Days at $1.00	Less days at 30c.	Amount	Total for Indigents
Group 4 (Cont'd)					$ c.					$ c.				$ c.	$ c.
St Joseph's	Peterborough														
General	Port Arthur	2		732	73.20	104	2,515	2,220	293	3,668.70	6	55	55	38.50	3,707.25
St Joseph's General	Port Arthur	2	240	571	201.10	279	5,170	4,618	596	7,509.60	35	326	321	229.70	7,739.35
St Catharines General	St. Catharines														
Memorial	St. Thomas														
Sarnia General	Sarnia	1		366	36.60										
General	Sault Ste. Marie					46	909	899	5	1,278.10	4	39	39	27.30	1,305.40
Stratford General	Stratford	1	115	278	96.80	1	15	15		21.00					21.00
St Mary's	Timmins	2	120	1,008	172.80	61	1,049	990	52	1,498.80	7	70	70	49.00	1,547.80
Mount Sinai	Toronto														
Toronto East General	Toronto														
Wellesley	Toronto														
Women's College	Toronto					1	14	14		19.60					19.60
Metropolitan General	Windsor	1	120	538	125.80										
Salvation Army Grace	Windsor														
Totals		40	1,910	15,253	2,671.30	676	16,272	13,184	2,374	24,396.20	72	673	667	472.90	24,869.20
GROUP 5															
Capacity, 201 Beds and Over															
Brantford General	Brantford	1	120	330	105.00										
Hamilton General	Hamilton	2	121	639	136.50										
Kingston General	Kingston	3	120	1,318	203.80	1	366			732.00					732.00
St. Joseph's	London														
Victoria	London	5	350	1,894	399.40										
Ottawa Civic	Ottawa	1	120	280	100.00	7	111	111		155.40					155.40
Ottawa General	Ottawa					6	186	180	1	263.90					263.90
St Joseph's	Sudbury	1	115	359	104.90	318	5,414	5,372	24	7,602.40	26	237	237	165.90	7,768.30
Hospital for Sick Children	Toronto	13	1,070	4,612	1,103.20	36	3,766	1,691	1,113	6,406.10					6,406.10
St Joseph's	Toronto					3	58	58		81.20					81.20
St Michael's	Toronto	1	120	255	97.50	49	1,119	1,119		1,566.60	1	13	13	9.10	1,575.70
Toronto General	Toronto	5	240	1,655	309.50	161	7,369	6,366	976	10,820.80	1	27	27	18.90	10,839.70
Toronto Western	Toronto					6	90	90		126.00	2	23	23	16.10	142.10
Hotel Dieu	Windsor														
Totals		32	2,376	11,342	2,559.80	587	18,479	14,987	2,114	27,754.40	30	300	300	210.00	27,964.40
GRAND TOTALS:															
Public General Hospitals		**124**	**6,551**	**46,234**	**8,554.00**	**2,687**	**66,727**	**52,966**	**6,710**	**101,003.40**	**323**	**3,227**	**3,167**	**2,276.90**	**103,280.31**
Red Cross Outposts		***1**		**366**	**36.60**	**405**	**6,922**	**5,823**	**803**	**10,269.90**	**72**	**696**	**663**	**497.10**	**10,766.80**
GRAND TOTALS Incl. Red Cross		**125**	**6,551**	**46,600**	**8,590.60**	**3,092**	**73,649**	**58,789**	**7,513**	**111,273.30**	**395**	**3,923**	**3,830**	**2,774.00**	**114,047.11**

*Dryden.

Note:—Small differences are due to odd amounts paid on account by patients.

RED CROSS OUTPOST HOSPITALS

TABLE No. I.—Showing the bed capacity, both adult and nursery, together with the movement of patients in each hospital separately.

Name of Hospital	Location	Bed Capacity		Patients in residence, Jan. 1st, 1940	Patients admitted during year	Live births during year	Total patients treated during year	Patients discharged during year	Deaths during year	Still-births during year	Patients in residence, Dec. 31st, 1940
		Adults and children	Nursery								
Red Cross Outpost	Apsley	6	2	......	65	14	79	75	2	1	2
Red Cross Outpost	Armstrong	5	1	4	60	6	70	66	1	......	3
Red Cross Outpost	Atikokan	3	1	......	12	2	14	14	......	......	......
Red Cross Outpost	Bancroft	9	3	2	259	68	329	321	7	2	1
Red Cross Outpost*	Blind River	22	4	7	159	23	189	182	5	2	2
Red Cross Outpost	Bracebridge	30	3	18	697	90	805	748	33	4	24
Red Cross Outpost	Coe Hill	6	1	......	33	19	52	49	1	2	2
Red Cross Outpost	Dryden	32	5	11	544	134	689	636	34	4	19
Red Cross Outpost	Emo	9	3	5	217	44	266	245	16	......	5
Red Cross Outpost	Englehart	15	4	7	337	61	405	387	15	1	3
Red Cross Outpost	Espanola	16	4	16	302	26	344	323	12	3	9
Red Cross Outpost	Haliburton	11	4	4	106	24	134	127	7	1	......
Red Cross Outpost	Hawk Junction	9	2	5	120	9	134	130	3	......	1
Red Cross Outpost	Hornepayne	5	2	4	48	15	67	62	5	......	......
Red Cross Outpost	Jellicoe	6	1	4	86	17	107	99	5	1	3
Red Cross Outpost	Kakabeka Falls	5	1	......	43	31	74	74	......	......	......
Kirkland District Hosp.	Kirkland Lake	104	40	73	2,782	605	3,460	3,300	87	15	73
Red Cross Outpost	Lion's Head	5	4	......	47	34	81	78	1	1	2
Red Cross Outpost	Mindemoya	18	4	4	254	57	315	296	12	......	7
Red Cross Outpost	Nakina	8	1	1	49	8	58	55	2	......	1
Lady Minto Hospital	New Liskeard	19	5	20	369	75	464	427	19	3	18
Red Cross Outpost	Port Loring	4	2	3	49	25	77	73	2	1	2
Red Cross Outpost	Quibell	2	1	......	6	5	11	11	......	......	......
Red Cross Outpost	Rainy River	11	5	8	217	80	305	294	5	4	6
Red Cross Outpost	Redditt	4	1	......	24	7	31	31	......	......	......
Red Cross Outpost	Richard's Landing	9	3	3	134	27	164	155	5	1	4
Red Cross Outpost	Thessalon	13	2	9	211	44	264	251	8	......	5
Red Cross Outpost	Whitney	4	2	......	19	7	26	26	......	......	......
Red Cross Outpost	Wilberforce	3	1	......	9	3	12	11	1	......	......
Red Cross Car	......	4	......	......	21	2	23	23	......	......	......
TOTALS		397	112	208	7,279	1,562	9,049	8,569	288	46	192

*Discontinued August 16th, 1940.

TABLE No. II.—Showing the collective stay in days of the patients admitted and infants born in the hospital; also the number of professional and other staff in each.

Name of Hospital	Location	Total patients treated during year	Total patient days, adults and children, for year	Total days, infants born, for year	Total patient days, all patients, for year	Average number patients in hospital daily	Number graduate and professional staff	Number other employees, including nurses-in-training	Percentage of beds occupied during year
									%
Red Cross Outpost	Apsley	79	436	124	560	2	1	1	19.1
Red Cross Outpost	Armstrong	70	683	39	722	2	1	2	32.9
Red Cross Outpost	Atikokan	14	42	16	58	......	1	1	4.0
Red Cross Outpost	Bancroft	329	1,870	629	2,499	7	3	2	56.9
Red Cross Outpost	Blind River	189	1,100	178	1,278	6	3	3	21.5
Red Cross Outpost	Bracebridge	805	6,982	910	7,892	22	6	6	65.3
Red Cross Outpost	Coe Hill	52	259	167	426	1	1	2	16.6
Red Cross Outpost	Dryden	689	5,046	1,234	6,280	17	4	3	46.4
Red Cross Outpost	Emo	266	2,068	422	2,490	7	4	2	56.7
Red Cross Outpost	Englehart	405	2,978	669	3,647	10	3	3	52.4
Red Cross Outpost	Espanola	344	4,289	284	4.573	12	3	3	62.5
Red Cross Outpost	Haliburton	134	621	251	872	2	1	1	15.9
Red Cross Outpost	Hawk Junction	134	841	90	931	3	1	2	23.1
Red Cross Outpost	Hornepayne	67	460	156	616	2	1	1	24.0
Red Cross Outpost	Jellicoe	107	781	153	934	3	1	2	36.5
Red Cross Outpost	Kakabeka Falls	74	306	278	584	2	1	1	26.6
Kirkland District Hospital	Kirkland Lake	3,460	27,084	6,332	33,416	91	36	24	63.4
Red Cross Outpost	Lion's Head	81	404	271	675	2	1	1	20.5
Red Cross Outpost	Mindemoya	315	2,440	561	3,001	8	4	3	37.3
Red Cross Outpost	Nakina	58	397	62	459	1	1	1	13.9
Lady Minto Hospital	New Liskeard	464	3,639	988	4,627	13	4	3	52.7
Red Cross Outpost	Port Loring	77	480	249	729	2	1	1	33.2
Red Cross Outpost	Quibell	11	50	43	93	......	1	1	8.5
Red Cross Outpost	Rainy River	305	2,513	761	3,274	9	3	3	55.9
Red Cross Outpost	Redditt	31	125	61	186	......	1	1	10.2
Red Cross Outpost	Richard's Landing	164	1,077	234	1,311	4	2	2	29.8
Red Cross Outpost	Thessalon	264	1,916	410	2,326	6	3	3	42.4
Red Cross Outpost	Whitney	26	122	77	199	......	1	1	9.1
Red Cross Outpost	Wilberforce	12	75	23	98	......	1	1	6.7
Red Cross Car	......	23	62	17	79	......	1	1	5.4
TOTALS		9,049	69.146	15,689	84.835	232	95	81	45.5

RED CROSS OUTPOST HOSPITALS (Cont'd)

TABLE No. III.—Showing the cost of operating the hospitals, and the average daily cost of each patient.

Name of Hospital	Location	Total patient days, all patients, for year	Percentage of service devoted to hospital	Cost of dietaries	Other operating costs	Total operating cost	Average daily per capita cost*
			%	$ c.	$ c.	$ c.	$ c.
Red Cross Outpost	Bancroft	2,499	100	1,083.94	5,967.79	7,051.73	2.82
Red Cross Outpost	Blind River	1,278	100	663.98	3,947.97	4,611.95	3.61
Red Cross Outpost	Bracebridge	7,892	100	4,389.95	16,428.50	20,818.45	2.64
Red Cross Outpost	Dryden	6,280	100	2,622.67	9,347.40	11,970.07	1.91
Red Cross Outpost	Emo	2,490	100	1,302.88	7,179.75	8,482.63	3.41
Red Cross Outpost	Englehart	3,647	100	1,567.82	7,610.01	9,177.83	2.52
Red Cross Outpost	Espanola	4,573	100	2,378.54	10,639.66	13,018.20	2.85
Red Cross Outpost	Hawk Junction	931	100	636.16	3,706.23	4,342.39	4.66
Red Cross Outpost	Jellicoe	934	100	724.59	4,212.08	4,936.67	5.29
Kirkland District Hosp.†	Kirkland Lake	32,222	100	19,593.42	101,074.01	120,667.43	3.74
Red Cross Outpost	Mindemoya	3,001	100	1,294.35	6,682.78	7,977.13	2.66
Lady Minto Hospital	New Liskeard	4,627	100	3,115.98	12,629.04	15,745.02	3.40
Red Cross Outpost	Rainy River	3,274	100	1,338.25	6,779.91	8,118.16	2.48
Red Cross Outpost	Thessalon	2,326	100	1,101.81	6,910.34	8,012.15	3.44
TOTALS		75,974	100	41,814.34	203,115.47	244,929.81	3.22
The following Outposts maintain Public Health and Visiting Nursing Services throughout the District. The total costs shown include these services.							
Red Cross Outpost	Apsley	560	48	468.46	2,609.51	3,077.97	2.64
Red Cross Outpost	Armstrong	722	85	913.42	2,571.68	3,485.10	4.10
Red Cross Outpost	Atikokan	58	15	313.94	2,604.57	2,918.51	7.55
Red Cross Outpost	Coe Hill	426	49	472.56	3,037.58	3,510.14	4.04
Red Cross Outpost	Haliburton	872	78	462.67	3,175.13	3,637.80	3.25
Red Cross Outpost	Hornepayne	616	69	543.68	2,560.21	3,103.89	3.48
Red Cross Outpost	Kakabeka Falls	584	45	522.15	2,998.56	3,520:71	2.71
Red Cross Outpost	Lion's Head	675	60	674.16	3,643.12	4,317.28	3.84
Red Cross Outpost	Nakina	459	53	646.74	3,062.66	3,709.40	4.28
Red Cross Outpost	Port Loring	729	78	607.61	2,669.28	3,276.89	3.51
Red Cross Outpost	Quibell	93	14	411.93	2,240.98	2,652.91	3.99
Red Cross Outpost	Redditt	186	14	447.51	2,359.01	2,806.52	2.11
Red Cross Outpost	Richard's Landing	1,311	79	1,032.42	5,252.38	6,284.80	3.79
Red Cross Outpost	Whitney	199	21	385.17	2,304.25	2,689.42	2.84
Red Cross Outpost	Wilberforce	98	28	401.74	2,114.24	2,515.98	7.19
Red Cross Car		79	8	346.43	2,505.38	2,851.81	2.89
TOTALS		7,667	50.6	8,650.59	45,708.54	54,359.13	3.59
Grand Totals		**83,641**	**91**	**50,464.93**	**248,824.01**	**299,288.94**	**3.26**

†Does not include 1,194 days for patients cared for in Cairn's Hospital (overflow). *Hospital service only.

TABLE No. IV.—Showing the sources of income of hospitals.

Name of Hospital	Location	Income from patients for treatment	Income from municipalities for patients' treatment	Income from miscellaneous sources	Income from donations, bequests and other gratuitous sources	Total income from all sources other than Government grants
		$ c.	$ c.	$ c.	$ c.	$ c.
Red Cross Outpost	Apsley	1,046.30	77.60	41.95	299.98	1,465.83
Red Cross Outpost	Armstrong	1,514.90	....	6.20	105.72	1,626.82
Red Cross Outpost	Atikokan	189.00	....	69.15	570.27	828.42
Red Cross Outpost	Bancroft	4,011.35	715.20	.20	739.42	5,466.17
Red Cross Outpost	Blind River	2,375.00	119.00	54.55	....	2,548.55
Red Cross Outpost	Bracebridge	16,212.83	3,524.30	18.62	363.28	20,119.03
Red Cross Outpost	Coe Hill	849.38	....	141.59	370.24	1,361.21
Red Cross Outpost	Dryden	9,059.80	1,214.80	....	1,024.09	11,298.69
Red Cross Outpost	Emo	4,020.40	490.15	8.10	944.85	5,463.50
Red Cross Outpost	Englehart	6,707.25	448.40	15.04	551.89	7,722.58
Red Cross Outpost	Espanola	9,484.15	612.60	13.36	384.89	10,495.00
Red Cross Outpost	Haliburton	1,781.13	28.00	94.90	419.70	2,323.73
Red Cross Outpost	Hawk Junction	2,561.85	....	3.00	340.00	2,904.85
Red Cross Outpost	Hornepayne	1,421.15	68.25	118.80	150.01	1,758.21
Red Cross Outpost	Jellicoe	2,416.85	....	....	451.40	2,868.25
Red Cross Outpost	Kakabeka Falls	851.35	85.50	397.20	332.00	1,666.05
Kirkland District Hospital	Kirkland Lake	102,475.83	8,581.52	125.95	8,817.26	120,000.56
Red Cross Outpost	Lion's Head	1,218.35	....	82.70	422.48	1,723.53
Red Cross Outpost	Mindemoya	5,773.10	91.00	14.43	625.26	6,503.79
Red Cross Outpost	Nakina	909.25	....	....	718.45	1,627.70
Lady Minto Hospital	New Liskeard	11,912.00	819.85	55.67	1,899.97	14,687.49
Red Cross Outpost	Port Loring	1,116.00	....	138.67	265.07	1,519.74
Red Cross Outpost	Quibell	215.05	....	64.10	229.30	508.45
Red Cross Outpost	Rainy River	5,191.10	77.90	20.00	950.79	6,239.79
Red Cross Outpost	Redditt	435.75	....	147.68	584.55	1,167.98
Red Cross Outpost	Richard's Landing	3,084.20	28.00	52.80	735.10	3,900.10
Red Cross Outpost	Thessalon	3,907.75	503.50	45.00	370.46	4,826.71
Red Cross Outpost	Whitney	183.13	....	204.60	79.25	466.98
Red Cross Outpost	Wilberforce	311.07	62.00	84.60	337.74	795.41
Red Cross Car		128.45	....	28.66	51.46	208.57
TOTALS		201,363.72	17,547.57	2,047.52	23,134.88	244,093.69

RED CROSS OUTPOST HOSPITALS (Cont'd)

TABLE No. V.—Showing the basis on which statutory aid is granted.

Name of Hospital	Location	Days at 60c.	Days at 10c.	Infants born, days at 30c.	Amount	Grant for indigents from unorganized territory	Adjustments DEBIT	Total Government grant
					$ c.	$ c.	$ c.	$ c.
Red Cross Outpost	Apsley	207		60	142.20			142.20
Red Cross Outpost	Armstrong	278		22	173.40	220.30		393.70
Red Cross Outpost	Atikokan	9		6	7.20	2.80		10.00
Red Cross Outpost	Bancroft	943		351	671.10	18.20		689.30
Red Cross Outpost	Blind River	550		89	356.70	613.90	47.40	923.20
Red Cross Outpost	Bracebridge	3,323	132	378	2,120.40	292.00	3.00	2,409.40
Red Cross Outpost	Coe Hill	107		75	86.70			86.70
Red Cross Outpost	Dryden	2,179	565	661	1,562.20	2,992.60	134.55	4,420.25
Red Cross Outpost	Emo	991	68	204	662.60	67.40		730.00
Red Cross Outpost	Englehart	1,470		301	972.30	1,049.55		2,021.85
Red Cross Outpost	Espanola	2,191		45	1,328.10	1,653.90	32.40	2,949.60
Red Cross Outpost	Haliburton	241		135	185.10			185.10
Red Cross Outpost	Hawk Junction	112		43	80.10	137.80		217.90
Red Cross Outpost	Hornepayne	71			42.60			42.60
Red Cross Outpost	Jellicoe	43			25.80	218.40		244.20
Red Cross Outpost	Kakabeka Falls	144		147	130.50	18.90		149.40
Kirkland District Hosp	Kirkland Lake	7,673	286	625	4,819.90	1,452.05	536.85	5,735.10
Red Cross Outpost	Lion's Head	234		129	179.10		6.30	172.80
Red Cross Outpost	Mindemoya	1,137	117	256	770.70	136.50	143.40	763.80
Red Cross Outpost	Nakina	103		8	64.20	99.40		163.60
Lady Minto Hospital	New Liskeard	902	24	209	606.30	441.30	4.80	1,042.80
Red Cross Outpost	Port Loring	264		127	196.50	131.85		328.35
Red Cross Outpost	Quibell	18		16	15.60			15.60
Red Cross Outpost	Rainy River	1,412	246	391	989.10	800.65		1,789.75
Red Cross Outpost	Redditt	36		23	28.50			28.50
Red Cross Outpost	Richard's Landing	431		86	284.40		97.80	186.60
Red Cross Outpost	Thessalon	1,217		194	788.40	287.70	21.60	1,054.50
Red Cross Outpost	Whitney	85		68	71.40	79.10	3.60	146.90
Red Cross Outpost	Wilberforce	49		14	33.60			33.60
Red Cross Car		37		12	25.80	52.50		78.30
TOTALS		26,457	1,438	4,675	17,420.50	10,766.80	1,031.70	27,155.60

TABLE No. VI.—Showing days upon which grant was paid for indigents from unorganized territory, less amounts paid with regular monthly grants during year.

Name of Hospital	Location	No. of patients	Days at $2.00	Less		Amount	No. of infants	Days at $1.00	Less days at 30c.	Amount	TOTAL FOR INDIGENTS
				Days at 60c.	Days at 10c.						
						$ c.				$ c.	$ c.
Red Cross Outpost	Apsley										
Red Cross Outpost	Armstrong	6	147	137		211.80	1	10	5	8.50	220.30
Red Cross Outpost	Atikokan	1	2	2		2.80					2.80
Red Cross Outpost	Bancroft	1	13	13		18.20					18.20
Red Cross Outpost	Blind River	43	409	402		576.80	6	53	53	37.10	613.90
Red Cross Outpost	Bracebridge	3	190	138	52	292.00					292.00
Red Cross Outpost	Coe Hill										
Red Cross Outpost	Dryden	85	1,789	1,107	661	2,847.70	21	207	207	144.90	2,992.60
Red Cross Outpost	Emo	3	46	41		67.40					67.40
Red Cross Outpost	Englehart	59	693	672		982.80	10	95	94	66.80	1,049.55
Red Cross Outpost	Espanola	61	1,161	1,113	3	1,653.90					1,653.90
Red Cross Outpost	Haliburton										
Red Cross Outpost	Hawk Junction	6	58	21		103.40	4	41	22	34.40	137.80
Red Cross Outpost	Hornepayne										
Red Cross Outpost	Jellicoe	4	126	56		218.40					218.40
Red Cross Outpost	Kakabeka Falls	1	9	9		12.60	1	9	9	6.30	18.90
Kirkland Dist. Hosp.	Kirkland Lake	56	981	899	41	1,418.50	5	48	48	33.60	1,452.05
Red Cross Outpost	Lion's Head										
Red Cross Outpost	Mindemoya	8	92	92		128.80	1	11	11	7.70	136.50
Red Cross Outpost	Nakina	5	59	52		86.80	2	15	8	12.60	99.40
Lady Minto Hosp	New Liskeard	15	284	245		421.00	3	29	29	20.30	441.30
Red Cross Outpost	Port Loring	4	82	82		114.80	2	24	23	17.10	131.85
Red Cross Outpost	Quibell										
Red Cross Outpost	Rainy River	23	519	480	46	745.40	8	79	79	55.30	800.65
Red Cross Outpost	Redditt										
Red Cross Outpost	Richard's Landing										
Red Cross Outpost	Thessalon	12	187	187		261.80	4	37	37	25.90	287.70
Red Cross Outpost	Whitney	5	42	42		58.80	3	29	29	20.30	79.10
Red Cross Outpost	Wilberforce										
Red Cross Car		4	33	33		46.20	1	9	9	6.30	52.50
TOTALS		405	6,922	5,823	803	10,269.90	72	696	663	497.10	10,766.80

CONVALESCENT HOSPITALS

TABLE No. I.—Showing the bed capacity, together with the movement of patients, in each hospital separately.

Name of Hospital	Location	Bed capacity	Patients in residence, Jan. 1st, 1940	Patients admitted during year	Total patients treated during year	Patients discharged during year	Deaths during year	Patients in residence, Dec. 31st, 1940
Children's Convalescent Hospital*	Burlington	33	......	71	71	71	......	......
Blue Mountain Camp for Crippled Children*	Collingwood	45	....	176	176	176	......	....
St. John's Convalescent Hospital	Newtonbrook	64	60	563	623	567	2	54
Civitan Convalescent Camp*	Toronto	29	......	46	46	46	......	......
Hillcrest Convalescent Hospital	Toronto	43	24	257	281	257	1	23
I.O.D.E. Preventorium	Toronto	132	76	395	471	393	......	78
East Windsor Convalescent Hospital†	Windsor	32	9	59	68	54	5	9
TOTALS		378	169	1,567	1,736	1,564	8	164

TABLE No. II.—Showing the collective stay in days of the patients admitted to the hospital; also the number of professional and other staff in each.

Name of Hospital	Location	Total patients treated during year	Total patient days for year	Average number patients in hospital daily	Number graduate staff	Number all other employees
Children's Convalescent Hospital*	Burlington	71	1,961	32	2	2
Blue Mountain Camp for Crippled Children*	Collingwood	176	3,743	42	2	6
St. John's Convalescent Hospital	Newtonbrook	623	20,501	56	12	29
Civitan Convalescent Camp*	Toronto	46	952	15	1	2
Hillcrest Convalescent Hospital	Toronto	281	9,276	25	7	6
I.O.D.E. Preventorium	Toronto	471	26,956	74	9	42
East Windsor Convalescent Hospital†	Windsor	68	4,665	13	4	14
TOTALS		1,736	68,054	186	37	101

TABLE No. III.—Showing the cost of operating the hospitals, and the average daily cost of each patient.

Name of Hospital	Location	Total patient days, all patients, for year	Cost of dietaries	Other operating costs	Total operating cost	Average daily per capita cost
			$ c.	$ c.	$ c.	$ c.
Children's Convalescent Hospital*	Burlington	1,961	480.87	1,115.68	1,596.55	.81
Blue Mountain Camp for Crippled Children*	Collingwood	3,743	994.52	3,058.53	4,053.05	1.08
St. John's Convalescent Hospital	Newtonbrook	20,501	13,733.98	35,961.97	49,695.95	2.42
Civitan Convalescent Camp*	Toronto	952	719.34	102.33	821.67	.86
Hillcrest Convalescent Hospital	Toronto	9,276	4,917.66	13,164.25	18,081.91	1.95
I.O.D.E. Preventorium	Toronto	26,956	11,281.14	45,022.52	56,303.66	2.09
East Windsor Convalescent Hospital†	Windsor	4,665	1,659.36	5,621.40	7,280.76	1.56
TOTALS		68,054	33,786.87	104,046.68	137,833.55	2.03

*These camps operate in summer months only. †Discontinued December 31st, 1940.

CONVALESCENT HOSPITALS (Cont'd)

TABLE No. IV.—Showing the sources of income of hospitals.

Name of Hospital	Location	Income from patients for treatment	Income from municipalities for patients' treatment	Income from investments, endowments, property, miscellaneous	Income from donations, bequests and other gratuitous sources	Total income from all sources other than Government grants
		$ c.	$ c.	$ c.	$ c.	$ c.
Children's Convalescent Hospital*	Burlington			7.57	1,228.27	1,235.84
Blue Mountain Camp for Crippled Children*	Collingwood		466.25	10.55	2,298.20	2,775.00
St. John's Convalescent Hospital	Newtonbrook	23,149.69	16,297.50	654.98	5,126.20	45,228.37
Civitan Convalescent Camp*	Toronto		492.10			492.10
Hillcrest Convalescent Hospital	Toronto	7,142.01	7,738.75	645.33	128.60	15,654.69
I.O.D.E. Preventorium	Toronto	2,186.58	29,052.38	9,939.66	11,102.75	52,281.37
East Windsor Convalescent Hospital†	Windsor	1,976.65	4,317.95	1.17	69.91	6,365.68
TOTALS		34,454.93	58,364.93	11,259.26	19,953.93	124,033.05

TABLE No. V.—Showing the basis on which statutory aid is granted.

Name of Hospital	Location	Days at 40c.	Days at 10c.	Amount	Grant for indigents from unorganized territory	Adjustments DEBIT	Total Government grant
				$ c.	$ c.	$ c.	$ c.
Children's Convalescent Hospital*	Burlington	1,961		784.40			784.40
Blue Mountain Camp for Crippled Children*	Collingwood	3,743		1,497.20			1,497.20
St. John's Convalescent Hospital	Newtonbrook	14,213	13	5,686.50	174.50	29.20	5,831.80
Civitan Convalescent Camp*	Toronto	952		380.80			380.80
Hillcrest Convalescent Hospital	Toronto	6,158		2,463.20		7.20	2,456.00
I.O.D.E. Preventorium	Toronto	24,010	1,683	9,772.30	50.00	287.80	9,534.50
East Windsor Convalescent Hosp.†	Windsor	3,428	1,730	1,544.20			1,544.20
TOTALS		54,465	3,426	22,128.60	224.50	324.20	22,028.90

TABLE No. VI.—Showing days upon which grant was paid for indigents from unorganized territory, less amounts paid with regular monthly grant during year.

Name of Hospital	Location	Number of patients	Days at $1.65	Less		Amount
				Days at 40c.	Days at 10c.	
						$ c.
Children's Convalescent Hospital*	Burlington					
Blue Mountain Camp for Crippled Children*	Collingwood					
St. John's Convalescent Hospital	Newtonbrook	4	138	133		174.50
Civitan Convalescent Camp*	Toronto					
Hillcrest Convalescent Hospital	Toronto					
I.O.D.E. Preventorium	Toronto	1	40	40		50.00
East Windsor Convalescent Hospital† (**)	Windsor					
TOTALS		5	178	173		224.50

**One long-stay patient—115 days at 40c.; 260 days at 10c.—$72.00.

*These camps operate in summer months only. †Discontinued December 31st, 1940.

HOSPITALS FOR INCURABLES

TABLE No. I.—Showing the bed capacity, together with the movement of patients, in each hospital separately.

Name of Hospital	Location	Bed capacity	Patients in residence, Jan. 1st, 1940	Patients admitted during year	Total patients treated during year	Patients discharged during year	Deaths during year	Patients in residence, Dec. 31st, 1940
St. Peter's Infirmary	Hamilton	100	91	88	179	14	61	104
Parkwood Hospital for Incurables	London	143	138	62	200	14	44	142
Perley Home for Incurables	Ottawa	90	86	15	101	9	12	80
St. Vincent Hospital for Incurables	Ottawa	205	184	162	346	39	110	197
Home for Incurable Children	Toronto	40	40	5	45	5	1	39
Mercy Hospital for Incurables	Toronto	273	165	324	489	64	161	264
Toronto Hospital for Incurables	Toronto	386	382	181	563	46	132	385
East Windsor Hospital for Incurables	Windsor	60	33	78	111	29	35	47
TOTALS		1,297	1,119	915	2,034	220	556	1,258

TABLE No. II.—Showing the collective stay in days of the patients admitted to the hospital; also the number of professional and other staff in each.

Name of Hospital	Location	Total patients treated during year	Total patient days for year	Average number patients in hospital daily	Number graduate and professional staff	Number other employees, including nurses-in-training	Percentage of beds occupied during year
							%
St. Peter's Infirmary	Hamilton	179	35,899	98	11	34	98.1
Parkwood Hospital for Incurables	London	200	51,691	141	24	55	98.8
Perley Home for Incurables	Ottawa	101	30,300	83	8	40	92.0
St. Vincent Hospital for Incurables	Ottawa	346	71,295	195	9	113	95.0
Home for Incurable Children	Toronto	45	13,975	38	4	24	95.5
Mercy Hospital for Incurables	Toronto	489	88,986	243	35	58	89.1
Toronto Hospital for Incurables	Toronto	563	140,188	383	51	161	99.2
East Windsor Hospital for Incurables	Windsor	111	14,945	41	4	14	68.1
TOTALS		2,034	447,279	1,222	146	499	94.2

TABLE No. III.—Showing the cost of operating the hospitals, and the average daily cost of each patient.

Name of Hospital	Location	Total patient days, all patients, for year	Interest and capital charges	Cost of dietaries	Other operating costs	Total operating cost	Average daily per capita cost
			$ c.	$ c.	$ c.	$ c.	$ c.
St. Peter's Infirmary	Hamilton	35,899	600.00	11,275.69	38,446.15	49,721.84	1.39
Parkwood Hospital for Incurables	London	51,691	....	16,258.46	57,102.21	73,360.67	1.42
Perley Home for Incurables	Ottawa	30,300	....	10,110.36	42,857.22	52,967.58	1.75
St. Vincent Hospital for Incurables	Ottawa	71,295	5,280.96	27,401.61	64,940.87	92,342.48	1.30
Home for Incurable Children	Toronto	13,975	....	5,270.51	20,259.89	25,530.40	1.83
Mercy Hospital for Incurables	Toronto	88,986	13,483.87	26,158.12	101,274.74	127,432.86	1.43
Toronto Hospital for Incurables	Toronto	140,188	....	63,965.76	204,598.91	268,564.67	1.92
East Windsor Hospital for Incurables	Windsor	14,945	....	5,550.02	18,801.61	24,351.63	1.63
TOTALS		447,279	19,364.83	165,990.53	548,281.60	714,272.13	1.60

TABLE No. IV.—Showing the sources of income of hospitals.

Name of Hospital	Location	Income from patients for treatment	Income from municipalities for patients' treatment	Income from investments, endowments, property, miscellaneous	Income from donations, bequests and other gratuitous sources	Total income from all sources other than Government grants
		$ c.	$ c.	$ c.	$ c.	$ c.
St. Peter's Infirmary	Hamilton	27,260.27	31,780.00	....	....	59,040.27
Parkwood Hospital for Incurables	London	35,260.95	41,480.42	4,535.20	115.77	81,392.34
Perley Home for Incurables	Ottawa	21,915.23	23,061.51	2,412.33	....	47,389.07
St. Vincent Hospital for Incurables	Ottawa	24,033.82	80,763.98	964.68	229.00	105,991.48
Home for Incurable Children	Toronto	1,250.40	5,002.15	6,429.53	13,361.68	26,043.76
Mercy Hospital for Incurables	Toronto	8,999.00	122,659.50	....	....	131,658.50
Toronto Hospital for Incurables	Toronto	26,673.78	186,402.00	732.54	818.31	214,626.63
East Windsor Hospital for Incurables	Windsor	1,744.90	18,161.82	3.91	233.83	20,144.46
TOTALS		147,138.35	509,311.38	15,078.19	14,758.59	686,286.51

HOSPITALS FOR INCURABLES (Cont'd)

TABLE No. V.—Showing the basis on which statutory aid is granted.

Name of Hospital	Location	Days at 40c.	Amount	Grant for indigents from unorganized territory	Adjustments DEBIT	Total Government grant
			$ c.	$ c.	$ c.	$ c.
St. Peter's Infirmary	Hamilton	29,638	11,855.20	1,160.00	....	13,015.20
Parkwood Hospital for Incurables	London	50,199	20,079.60	....	....	20,079.60
Perley Home for Incurables	Ottawa	26,922	10,768.80	1,244.80	....	12,013.60
St. Vincent Hospital for Incurables	Ottawa	69,063	27,625.20	2,468.80	....	30,094.00
Home for Incurable Children	Toronto	13,975	5,590.00	183.00	....	5,773.00
Mercy Hospital for Incurables	Toronto	87,830	35,132.00	4,680.00	....	39,812.00
Toronto Hospital for Incurables	Toronto	135,034	54,013.60	2,892.80	32.00	56,874.40
East Windsor Hospital for Incurables	Windsor	14,931	5,972.40	....	....	5,972.40
TOTALS	....	427,592	171,036.80	12,629.40	32.00	183,634.20

TABLE No. VI.—Showing days upon which grant was paid for indigents from unorganized territory, less amounts paid with regular monthly grants during year.

Name of Hospital	Location	Number of patients	Days at $2.00	Less days at 40c.	Amount
					$ c.
St. Peter's Infirmary	Hamilton	5	725	725	1,160.00
Parkwood Hospital for Incurables	London	....	....	....	....
Perley Home for Incurables	Ottawa	4	778	778	1,244.80
St. Vincent Hospital for Incurables	Ottawa	6	1,543	1,543	2,468.80
Home for Incurable Children	Toronto	1	*366	....	183.00
Mercy Hospital for Incurables	Toronto	8	2,925	2,925	4,680.00
Toronto Hospital for Incurables	Toronto	6	1,808	1,808	2,892.80
East Windsor Hospital for Incurables	Windsor	....	....	....	....
TOTALS	....	30	8,145	7,779	12,629.40

*A rate of 50c. a day has been arranged.

SUMMARIZED STATEMENT OF PROVINCIAL GRANTS

For the Year Ended December 31st, 1940

	Public Hospitals	Red Cross Outposts	Hospitals for Incurables	Convalescent Hospitals	TOTALS
Statutory Per Diem Grants					
Days at 60c.	1,482,673	26,457	....	....	1,509,130
Days at 10c.	113,395	1,438	....	3,426	118,259
Days at 30c. (Infant)	96,347	4,675	....	....	101,022
Days at 40c.	....	....	427,592	54,465	482,057
AMOUNT	$929,847.40	$17,420.50	$171,036.80	$22,128.60	$1,140,433.30
Indigents from Unorganized Territory					
Number of Patients	2,687	405	30	5	3,127
Days at $2.00	66,727	6,922	8,145	....	81,794
Days at $1.65	....	....	....	178	178
Number of Infants Born	323	72	....	....	395
Days at $1.00	3,227	696	....	....	3,923
TOTAL INDIGENT GRANT*	$103,280.31	$10,766.80	$12,629.40	$224.50	$126,901.01
TOTAL GRANT EARNED FOR YEAR	$1,033,127.71	$28,187.30	$183,666.20	$22,353.10	$1,267,334.31
Deduction for Audit Adjustments, etc.	10,201.77	1,031.70	32.00	324.20	11,589.67
Total Net Grant	$1,022,925.94	$27,155.60	$183,634.20	$22,028.90	$1,255,744.64

*NOTE:—Small differences are due to odd amounts paid on account by patients.

SANATORIA FOR CONSUMPTIVES

TABLE No. I.—Showing the bed capacity, together with the movement of patients, in each institution separately.

Name of Sanatoria	Location	Bed Complement		Patients in residence, Jan. 1st, 1940	* Patients admitted during year	Live births during year	Total patients treated during year	† Patients discharged during year	Deaths during year	Patients in residence, Dec. 31st, 1940
		Adults' beds	Children's cots							
Brant Sanatorium	Brantford	84	25	54	129	....	183	82	22	79
St. Lawrence Sanatorium	Cornwall	112	....	111	72	1	184	67	9	108
Fort William Sanatorium	Fort William.	184	......	166	197	....	363	151	31	181
Muskoka Hosp. for Consumptives	Gravenhurst	440	....	416	322	....	738	254	58	426
St. Mary's-on-the-Lake Sanatorium	Haileybury	104	2	93	93	....	186	75	21	90
Mountain Sanatorium	Hamilton	708	22	668	763	3	1,434	633	95	706
Kingston Sanatorium	Kingston	47	....	46	43	......	89	37	8	44
Freeport Sanatorium	Kitchener	140	8	150	137	......	287	123	16	148
Queen Alexandra Sanatorium	London	577	34	567	461	....	1,028	414	62	552
Royal Ottawa Sanatorium	Ottawa	177	35	198	212	....	410	175	40	195
Niagara Peninsula Sanatorium	St. Catharines	86	......	83	133	....	216	121	12	83
Toronto Hosp. for Consumptives and Queen Mary H. for Con. Children.	Weston	604	64	602	473	7	1,082	360	118	604
Essex County Sanatorium	Windsor	171	....	156	142	....	298	112	20	166
TOTALS	....	3,434	190	3,310	3,177	11	6,498	2,604	512	3,382

*Does not include patients returning from temporary leaves of absence or temporary transfers to public hospitals.
†Does not include patients going on temporary leaves of absence or temporarily transferred to public hospitals.

TABLE No. II.—Showing the collective stay in days of the patients admitted to and infants born in the institutions; and the average stay in days each patient was under treatment.

Name of Sanatoria	Location	Total patients treated during year	Total collective days' stay of patients for year	Average days' stay of each patient for year	Average number patients in sanatoria daily	Number graduate and professional staff		Number all other employees	Percentage of beds occupied during year
						Full time	Part time		%
Brant Sanatorium	Brantford	183	27,266	149.0	75	10	1	39	69.5
St. Lawrence Sanatorium	Cornwall	184	40,769	221.6	111	15	.....	36	99.1
Fort William Sanatorium	Fort William.	363	60,384	166.3	165	19	......	42	89.6
Muskoka Hospital for Consumptives	Gravenhurst	738	155,069	210.1	424	67	......	177	96.4
St. Mary's-on-the-Lake Sanatorium	Haileybury	186	33,681	181.1	92	14	......	43	86.8
Mountain Sanatorium	Hamilton	1,434	261,143	182.1	713	90	3	285	97.6
Kingston Sanatorium	Kingston	89	16,707	187.7	46	11	1	16	97.2
Freeport Sanatorium	Kitchener	287	54,906	191.3	150	19	......	34	101.4
Queen Alexandra Sanatorium	London	1,028	199,106	192.7	544	69	1	238	90.0
Royal Ottawa Sanatorium	Ottawa	410	73,755	179.9	202	30	1	61	95.3
Niagara Peninsula Sanatorium	St. Catharines	216	30,504	141.2	83	12	2	30	96.9
Toronto Hospital for Consumptives and Queen Mary Hosp. for Con. Children	Weston	1,082	223,458	206.5	611	121	1	291	91.8
Essex County Sanatorium	Windsor	298	60,199	202.0	164	20	3	54	96.0
TOTALS	....	6,498	1,236,947	190.4	3,380	497	13	1,346	93.3

TABLE No. III.—Showing the cost of operating the sanatoria, and the average daily cost of each patient.

Name of Sanatoria	Location	Total collective days' stay of all patients	Cost of dietary supplies	Other operating costs, excluding provision for bad debts and depreciation	Total operating cost, excluding provision for bad debts and depreciation	Average daily per capita cost, excluding provision for bad debts and depreciat'n	Interest and exchange on long-term loans
			$ c.	$ c.	$ c.	$ c.	$ c.
Brant Sanatorium	Brantford	27,266	16,071.08	46,907.36	62,978.44	2.31	....
St. Lawrence Sanatorium	Cornwall	40,769	25,706.36	60,383.32	86,089.68	2.11	......
Fort William Sanatorium	Fort William.	60,384	29,197.97	71,700.31	100,898.28	1.67	8,026.93
Muskoka Hosp. for Consumpt's.	Gravenhurst	155,069	91,575.46	261,030.90	352,606.36	2.27	....
St. Mary's-on-the-Lake San.	Haileybury	33,681	17,964.82	46,691.21	64,656.03	1.92	19,750.29
Mountain Sanatorium	Hamilton	261,143	137,693.76	394,784.50	532,478.26	2.04	....
Kingston Sanatorium	Kingston	16,707	8,771.18	27,271.28	36,042.46	2.16	....
Freeport Sanatorium	Kitchener	54,906	26,668.38	73,808.51	100,476.89	1.83	305.51
Queen Alexandra Sanatorium	London	199,106	114,936.75	327,158.23	442,094.98	2.22	....
Royal Ottawa Sanatorium	Ottawa	73,755	31,853.67	122,601.51	154,455.18	2.09	8,234.18
Niagara Peninsula Sanatorium.	St. Catharines	30,504	19,569.39	62,186.06	81,755.45	2.68	....
Toronto H. for Consumptives and Queen Mary H. for Con. Child.	Weston	223,458	97,671.84	403,740.04	501,411.88	2.24	....
Essex County Sanatorium	Windsor	60,199	29,752.08	90,184.32	119,936.40	1.99	....
TOTALS		1,236,947	647,432.74	1,988,447.55	2,635,880.29	2.13	36,316.91

SANATORIA FOR CONSUMPTIVES (Cont'd)

TABLE No. IV.—Showing the sources of income of sanatoria.

Name of Sanatoria	Location	Income from patients and their agencies for mainten-ance in Sanatoria	Income from munici-palities	Sundry income, including Christmas seals	Income from out-patient service	Income from earnings on invest-ments, endow-ments, etc.	Total incomefrom all sources other than Governm't grant and Trustees' funds	*Trustees' funds received during year
		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Brant Sanatorium	Brantford	6,643.20	....	1,457.59	1,307.50	884.95	10,293.24	1,344.34
St. Lawrence Sanatorium	Cornwall	1,243.92	10,000.00	2,570.01	1,334.00	11.97	15,159.90	1,035.15
Fort William Sanatorium	Fort William.	18,775.45	....	53.74	2,389.45	806.95	22,025.59	56.00
Muskoka Hosp. for Con.†	Gravenhurst	58,022.97	388.04	27,301.01	4,104.40	96,003.26	185,819.68	30,674.65
Toronto Hosp. for Con.†	Weston							
St. Mary's-on-the-Lake San.	Haileybury	3,336.55	....	12,083.32	809.75	....	16,229.62	....
Mountain Sanatorium	Hamilton	61,659.88	220.00	14,164.84	9,719.60	5,610.78	91,375.10	11,797.93
Kingston Sanatorium	Kingston	5,625.75	....	....	....	....	5,625.75	....
Freeport Sanatorium	Kitchener	4,440.20	305.51	1,716.34	4,253.50	675.63	11,391.18	415.00
Queen Alexandra Sanatorium	London	51,656.06	331.00	14,493.55	4,637.50	16,607.08	87,725.19	36.35
Royal Ottawa Sanatorium	Ottawa	13,338.92	8,234.18	953.80	5,927.00	465.38	28,919.28	....
Niagara Peninsula Sanatorium.	St. Catharines	7,111.16	5,900.00	2,156.34	6,470.75	2,749.52	24,387.77	8,742.36
Essex County Sanatorium	Windsor	2,265.99	....	411.22	2,872.50	....	5,549.71	....
TOTALS	....	234,120.05	25,378.73	77,361.76	43,825.95	123,815.52	504,502.01	54,101.78

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*NOTE:—Trustees' funds represent legacies, bequests, donations, etc., which may be used for capital purposes, invested in semi-permanent investments or used for general purposes at the discretion of the sanatorium board of directors.

†Income reported includes income earned by Muskoka Hospital, Gravenhurst, and Toronto Hospital, Weston, as under agreement these two sanatoria were amalgamated under the National Sanatorium Association, as from January 1st, 1940.

TABLE No. V.—Showing the basis on which statutory aid is granted.

Name of Sanatoria	Location	Days at $2.00	Infant days at $1.00	Amount	Adjustments and Deductions		Total Government grant
					CREDIT	DEBIT	
				$ c.	$ c.	$ c.	$ c.
Brant Sanatorium	Brantford	25,403	....	50,806.00	....	....	50,806.00
St. Lawrence Sanatorium	Cornwall	40,728	....	81,456.00	....	....	81,456.00
Fort William Sanatorium	Fort William.	53,464	....	106,928.00	....	46.00	106,882.00
Muskoka Hosp. for Consumptives	Gravenhurst.	152,833	....	305,666.00	....	....	305,666.00
St. Mary's-on-the-Lake Sanatorium	Haileybury	32,715	....	65,430.00	....	....	65,430.00
Mountain Sanatorium	Hamilton	246,748	257	493,753.00	....	....	493,753.00
Kingston Sanatorium	Kingston	15,260	....	30,520.00	....	....	30,520.00
Freeport Sanatorium	Kitchener	54,118	....	108,236.00	18.00	....	108,254.00
Queen Alexandra Sanatorium	London	186,171	....	372,342.00	....	494.00	371,848.00
Royal Ottawa Sanatorium	Ottawa	72,729	....	145,458.00	....	42.00	145,416.00
Niagara Peninsula Sanatorium	St. Catharines	29,143	....	58,286.00	....	....	58,286.00
Toronto Hosp. for Consumptives and Queen Mary H. for Con. Children.	Weston	215,913	448	432,274.00	....	248.00	432,026.00
Essex County Sanatorium	Windsor	60,094	....	120,188.00	....	....	120,188.00
TOTALS	....	1,185,319	705	2,371,343.00	18.00	830.00	2,370,531.00

Location	Name of Hospital	Licensee	Type	Bed Cap.
Private Hospitals				
Campbellford	Campbellford Private Hospital	Dr. E. A. Stuart	Medical, Surgical and Maternity	9
Chesley	Anne Buckland Private Hospital	Mrs. A. Buckland, Reg. N.	Medical, Surgical and Maternity	10
Connaught Station	Connaught Private Hospital	Dr. J. H. A. Macdonald	Medical, Surgical and Maternity	5
Copper Cliff	International Nickel Co. Private Hospital	International Nickel Co.	Medical and Surgical	33
Elmira	Turner Private Hospital	Mrs. Emma Turner	Medical	11
Favourable Lake	Berens River Mines Hospital	Dr. R. C. Anderson	Medical and Surgical	4
Fort Frances	Dr. O'Donnell's Private Hospital	Dr. J. E. O'Donnell	Medical, Surgical and Maternity	10
Fort Frances	Dr. McKenzie's Private Hospital	Dr. J. J. Leishman	Medical, Surgical and Maternity	17
Fort William	Margaret Jane Dewar Private Hospital	Dr. R. Kerr Dewar	Medical, Surgical and Maternity	6
Galt*	Oak St. Nursing Home	Miss Edith M. Renwick, Reg. N.	Medical, Surgical and Maternity	10
Hamilton	Salvation Army Maternity Hospital	Salvation Army	Maternity	22
Havelock	Havelock Private Hospital	Mrs. Lucinda Commins	Medical, Surgical and Maternity	7
Hawkesbury	Hawkesbury Private Hospital	Dr. T. W. Smith	Medical, Surgical and Maternity	12
Hawkesbury	Hosp. of the Asylum of the Good Shepherd of Quebec	Asylum of the Good Shepherd	Maternity	27
Hawkesbury	Dr. Kelly's Private Hospital	Dr. E. P. Kelly	Medical, Surgical and Maternity	12
Kapuskasing	Sensenbrenner Private Hospital	Spruce Falls Power & Paper Co.	Medical, Surgical and Maternity	50
Kirkland Lake	Cairn's Private Hospital	Mrs. Mary Moffatt	Medical, Surgical and Maternity	9
Leamington	Hopewell Private Hospital	Miss Mary Dinning, Reg. N.	Medical, Surgical and Maternity	18
Little Britain	Little Britain Private Hospital	Miss Nora J. Sweetman, Reg. N.	Medical, Surgical and Maternity	12
Little Long Lac	Little Long Lac Hospital	Little Long Lac Hospital Association	Medical, Surgical and Maternity	33
London	Salvation Army Bethesda Hospital	Salvation Army	Maternity	21
Markdale	Markdale Private Hospital	Dr. R. L. Carefoot	Medical, Surgical and Maternity	12
Moose Factory	Newnham Cottage Hospital	Miss. Soc. of Church of England in Canada	Medical	10
McKenzie Island	McKenzie Island Hospital	McKenzie Red Lake Gold Mines Ltd.	Medical, Surgical and Maternity	5
Oakville	MacDonald House	Mrs. Jane Taylor	Medical and Maternity	9
Ottawa	Duke-Fingard Inhalation Hospital	Miss Marion Lambert, Reg. N.	Medical	71 up-pts.
Ottawa	Rideau Private Hospital	Miss Doria Coté, Reg. N.	Medical, Surgical and Maternity	15
Ottawa	Hartington Nursing Home	Mrs. Mabel D. Thomas, Reg. N.	Medical	20
Port Perry	Port Perry Private Hospital	Mrs. Nellie Whitmore, Reg. N.	Medical, Surgical and Maternity	12
Preston	Preston Springs Sanatorium	Drs. L. G. and J. E. Hagmeier	Medical, Surgical and Maternity	57
Red Lake	Howey Gold Mines Private Hospital	Dr. T. J. Goodison	Medical and Surgical	4
St. Mary's	Beth Haven Private Hospital	Mrs. Howard Dicks, Reg. N.	Medical, Surgical and Maternity	11
Smooth Rock Falls	Smooth Rock Falls Private Hospital	Abitibi Power & Paper Co.	Medical, Surgical and Maternity	11
Stouffville	Brier Bush Private Hospital	Mrs. E. R. Good	Medical, Surgical and Maternity	24
Sutton West	Sutton Private Hospital	Miss Elsie V. King	Medical, Surgical and Maternity	10
Thorold	Maple Hurst Private Hospital	Miss F. L. Stevenson, Reg. N.	Medical, Surgical and Maternity	23
Toronto—200 Danforth Ave.	Albany Private Hospital	Mrs. Elizabeth McCulloch	Medical, Surgical and Maternity	18
435 Walmer Rd.	Clifton Memorial Nursing Home	Miss Alice M. Jeffrey	Medical and Surgical	10
47 Dewson St.	Dewson Lodge	Mrs. Jean Cunningham	Medical	12
921–923 College St.	Duke-Fingard Inhalation Hospital	Mrs. Margaret Carmichael, Reg. N.	Medical and Surgical	73 up-pts.
94 Isabella St.	Isabella Private Hospital	Mrs. Jessie Urquhart	Medical, Surgical and Maternity	10
862 College St.	Mayfair Private Hospital	Miss Bess Newsome, Reg. N.	Medical	10
429 Walmer Rd.	Metcalfe Nursing Home	Mrs. Marjorie Metcalfe, Reg. N.	Medical	12
880 St. Clair Ave. W.	Oakwood Clinic Hospital	Dr. W. S. Grimshaw	Medical, Surgical and Maternity	10
53 Harvie Ave.	St. Clair Private Hospital	Dr. Harold E. Baker	Maternity	4
550 Jarvis St.	St. Mary's Private Hospital	Sisters of Misericorde	Medical, Surgical and Maternity	25
626 Church St.	Stewart Private Hospital	Mrs. Esther C. Stewart	Medical	4
432 Sherbourne St.	Stirling Rest Home	Miss Catherine Stirling, Reg. N.	Medical	14
32 Gothic Ave.	Strathcona Private Hospital	Mrs. Jean I. Nesbitt, Reg. N.	Medical, Surgical and Maternity	31
56 Isabella St.	Victoria Memorial Hospital	Miss Grace E. Plumridge, Reg. N.	Medical, Surgical and Maternity	25
Vankleek Hill	Vankleek Hill Private Hospital	Dr. A. MacDonald	Medical, Surgical and Maternity	10
Waterford	Waterford Private Hospital	Mr. E. K. Wills	Medical	16
Weston	Cottage Nursing Home	Mrs. Margaret Pudifin	Medical, Surgical and Maternity	12
Wiarton	Porter Private Hospital	Mrs. Eva Porter	Medical, Surgical and Maternity	9
Windsor†	Resthaven	Mrs. F. V. Mahoney	Medical	15
Convalescent Hospitals				
Brantford	Brantford Convalescent Home	Mrs. Lenah J. Coyell	Convalescent	9
Cobourg	Brookhurst Convalescent Home	Miss Effie C. Bolster, Reg. N.	Convalescent	5
Toronto—867 College St.	Allen Rest Home	Miss Catherine Osborne	Convalescent	14
10 Homewood Place	Homewood Rest Home	Miss Rosa Middleton, Reg. N.	Convalescent	8
Rest Homes				
Markham	Glen Rouge Rest Home	Miss A. E. Mayhew	Rest Home	4
Pendleton	Henry Moffatt Memorial Rest Home	Miss Irene Tucker, Reg. N.	Rest Home	10
Toronto—58 Huntley St.	Wood Royal Nursing Home	Dr. F. F. Carr-Harris	Rest Home	10
Hospital for Alcoholic Patients				
Toronto—43 Wellesley St.	Wood Sanatorium	Messrs. G. R. Wood and J. J. Woolnough	Alcoholics	14

DEPARTMENT OF HEALTH

REPORT

ON THE

Public Hospitals, Red Cross Outposts, Hospitals for Incurables Convalescent Hospitals

AND

Sanatoria for Consumptives

OF THE

PROVINCE OF ONTARIO

FOR THREE MONTHS, OCTOBER, NOVEMBER AND DECEMBER

1939

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1941

PUBLIC HOSPITALS

(Three Months' Period Ending December 31st, 1939)

TABLE No. I.—Showing the bed capacity, both adult and nursery, together with the movement of patients in each hospital separately.

Name of Hospital	Location	Bed Capacity		Patients in residence, Oct. 1st, 1939	Patients admitted during period	Live births during period	Total patients treated during period	Patients discharged during period	Deaths during period	Still-births during period	Patients in residence, Dec. 31st, 1939
		Adults and children	Nursery								
GROUP 1 Capacity, 1 to 25 Beds											
Rosedale War Memorial	Matheson	14	4	6	53	8	67	62	3	2	2
Louise Marshall	Mount Forest	16	5	11	40	10	61	55	......	1	6
Cottage	Niagara-on-Lake	19	4	6	22	7	35	27	3	......	5
General	Palmerston	13	4	4	81	11	96	83	2	......	11
General	Penetanguishene	18	4	7	126	10	143	135	1	3	7
General	Wingham	20	5	4	71	18	93	74	6	......	13
TOTALS		100	26	38	393	64	495	436	15	6	44
GROUP 2 Capacity, 26 to 50 Beds											
Stevenson Memorial	Alliston	33	7	17	103	21	141	118	10	......	13
Rosamond Memorial	Almonte	20	6	5	76	26	107	86	4	1	17
Bowmanville	Bowmanville	22	8	26	94	32	152	128	6	1	18
Lady Minto	Chapleau	36	4	17	86	8	111	81	7	1	23
Public	Clinton	23	8	14	100	25	139	117	5	1	17
Cobalt Municipal	Cobalt	24	2	11	45	10	66	58	3	......	5
Haldimand War Memorial	Dunnville	23	7	11	90	16	117	95	10	4	12
Red Cross Memorial	Durham	27	6	11	54	19	84	71	4	4	9
Groves Memorial	Fergus	32	5	16	110	22	148	127	8	2	13
Douglas Memorial	Fort Erie	35	12	24	164	20	208	180	13	2	15
Alexandra Marine & Gen.	Goderich	42	8	29	136	29	194	156	8	......	30
Misericordia	Haileybury	26	5	16	176	5	197	165	9	......	23
Hanover Memorial	Hanover	21	6	7	57	15	79	70	4	1	5
Notre Dame	Hawkesbury	24	3	17	133	7	157	137	8	1	12
St. Paul's	Hearst	23	4	40	185	21	246	209	7	1	30
Alexandra	Ingersoll	33	8	21	108	24	153	129	5	2	19
Anson General	Iroquois Falls	40	6	11	147	16	174	155	......	......	19
Kincardine General	Kincardine	26	9	20	93	17	130	107	5	3	18
Memorial	Listowel	21	5	4	121	20	145	126	4	1	15
General	Mattawa	36	4	25	85	9	119	95	6	......	18
St. Andrew's	Midland	42	8	26	182	42	250	207	9		34
York County	Newmarket	32	8	27	177	33	237	199	9		29
Queen Victoria Memorial	North Bay	43	7	35	226	28	289	259	8	1	22
Lord Dufferin	Orangeville	37	8	30	174	27	231	190	6	2	35
Willett	Paris	35	8	18	112	18	148	124	11	......	13
Parry Sound General	Parry Sound	30	5	22	160	23	205	174	10	......	21
Charlotte E. Englehart	Petrolia	29	6	18	135	38	191	155	13	......	23
Prince Edward County	Picton	32	11	19	212	35	266	240	7	1	19
Scott Memorial	Seaforth	21	6	18	93	14	125	110	4	1	11
General	Sioux Lookout	24	4	15	105	10	130	108	8	......	14
St. Francis General	Smith's Falls	35	5	21	100	9	130	105	1	......	24
Porcupine General	South Porcupine	28	10	26	219	53	298	269	8	3	21
Strathroy General	Strathroy	43	7	20	107	24	151	105	15	......	31
St. Jean de Brebeuf	Sturgeon Falls	33	7	25	172	16	213	171	17	2	25
Soldiers' Memorial	Tillsonburg	39	9	39	219	52	310	271	12	2	27
Lockwood Clinic	Toronto	40		17	188	......	205	192	2	......	11
Mothercraft	Toronto	10	18	15	31	......	46	35	......	......	11
County of Bruce Gen	Walkerton	37	6	19	147	17	183	158	8	......	17
TOTALS		1,157	256	752	4,922	801	6,475	5,482	274	37	719
GROUP 3 Capacity, 51 to 100 Beds											
Royal Victoria	Barrie	61	14	39	266	46	351	297	14	3	40
Peel Memorial	Brampton	44	12	27	206	42	275	231	12	1	32
St. Vincent de Paul	Brockville	70	12	34	238	33	305	257	10		38
Cobourg General	Cobourg	42	16	35	174	35	244	211	11	1	22
Lady Minto	Cochrane	62	8	40	162	28	230	174	6		50
General and Marine	Collingwood	51	9	33	223	30	286	229	13	3	44
Galt General	Galt	75	16	45	370	46	461	383	27	2	51
Kenora General	Kenora	64	6	39	171	24	234	188	10	1	36
St. Joseph's	Kenora	59	9	39	181	26	246	200	13		33
Ross Memorial	Lindsay	72	2	37	329	60	426	369	18	2	39
St. Joseph's General	North Bay	83	12	47	370	32	449	370	18	4	61
Orillia Soldiers' Memorial	Orillia	73	12	50	387	45	482	403	27	1	52
Oshawa General	Oshawa	77	20	48	584	75	707	628	23	4	56
Protestant Children's	Ottawa	55		22	179	.	201	166	7	......	28
Salvation Army Grace	Ottawa	57	40	94	435	288	817	722	8	7	87
St. Joseph's General	Parry Sound	64	10	29	211	39	279	237	11	......	31
Cottage	Pembroke	51	6	39	240	13	292	239	12	1	41
Great War Memorial	Perth	44	8	25	239	32	296	250	11	3	35

PUBLIC HOSPITALS (Cont'd)

(Three Months' Period Ending December 31st, 1939)

TABLE No. I.—Showing the bed capacity, both adult and nursery, together with the movement of patients in each hospital separately.

Name of Hospital	Location	Bed Capacity		Patients in residence, Oct. 1st, 1939	Patients admitted during period	Live births during period	Total patients treated during period	Patients discharged during period	Deaths during period	Still-births during period	Patients in residence, Dec. 31st, 1939
		Adults and children	Nursery								
Group 3 (Cont'd)											
Nicholl's	Peterborough	82	12	76	438	84	598	496	34	2	68
St. Joseph's	Peterborough	84	14	47	367	51	465	398	19	6	48
Port Hope	Port Hope	45	6	11	145	22	178	155	10	2	13
Victoria	Renfrew	74	10	39	185	27	251	199	7	......	45
General	Sault Ste. Marie	92	8	42	303	49	394	346	18	3	30
Plummer Memorial	Sault Ste. Marie	50	12	27	262	48	337	295	9	2	33
Norfolk General	Simcoe	57	19	48	303	80	431	363	17	4	51
Smith's Falls Public	Smith's Falls	47	8	38	207	23	268	229	8	1	31
Welland County General	Welland	68	12	76	389	67	532	478	25	3	29
TOTALS		1,703	313	1,126	7,564	1,345	10,035	8,513	398	56	1,124
GROUP 4 Capacity, 101 to 200 Beds											
Belleville General	Belleville	115	21	123	840	104	1,067	900	47	8	120
Brockville General	Brockville	97	9	51	369	31	451	376	15	1	60
Public General	Chatham	90	20	45	495	74	614	527	25	3	62
St. Joseph's	Chatham	109	18	60	428	82	570	480	29	3	61
Cornwall General	Cornwall	93	15	48	403	41	492	428	14	3	50
Hotel Dieu	Cornwall	130	20	111	615	64	790	696	25	4	69
Guelph General	Guelph	98	18	53	461	44	558	464	17	1	77
St. Joseph's	Guelph	99	13	63	389	77	529	428	30	7	71
St. Joseph's	Hamilton	160	25	128	766	149	1,043	889	38	8	116
Kitchener-Waterloo	Kitchener	113	27	67	495	89	651	552	26	1	73
St. Mary's	Kitchener	112	18	66	397	58	521	444	30	3	47
Niagara Falls General	Niagara Falls	122	18	65	446	76	587	513	26	2	48
General and Marine	Owen Sound	86	16	62	344	52	458	395	24	2	39
Pembroke General	Pembroke	110	15	54	308	26	388	320	20	2	48
General of Port Arthur	Port Arthur	120	14	77	498	61	636	538	21	2	77
St. Joseph's General	Port Arthur	173	27	124	732	66	922	769	40	2	113
St. Catharines General*	St. Catharines	180	20	100	774	121	995	878	31	4	86
Memorial	St. Thomas	95	18	79	503	97	679	562	32	1	85
Sarnia General	Sarnia	111	17	72	444	105	621	534	23	4	64
Stratford General	Stratford	118	21	66	532	78	676	570	31	5	75
St. Mary's	Timmins	130	26	78	746	88	912	787	25	1	100
Mount Sinai	Toronto	82	20	87	561	93	741	621	24	3	96
Salvation Army Grace	Toronto	59	47	65	298	189	552	491	4	5	57
Toronto East General	Toronto	145	32	147	792	155	1,094	907	54	9	133
Wellesley	Toronto	98	17	74	601	55	730	662	21	3	47
Women's College	Toronto	140	45	130	790	173	1,093	991	12	5	90
Metropolitan General	Windsor	122	32	76	670	113	859	736	47	3	76
Salvation Army Grace	Windsor	105	15	87	613	91	791	683	31	4	77
Woodstock General	Woodstock	90	12	59	348	63	470	391	24	2	55
TOTALS		3,302	616	2,317	15,658	2,515	20,490	17,532	786	101	2,172
GROUP 5 Capacity, 201 Beds and Over											
Brantford General**	Brantford	187	20	157	741	113	1,011	816	58	5	137
McKellar General	Fort William	202	24	135	871	105	1,111	936	30	5	145
Hamilton General (incl. Mt. Hamilton Branch)	Hamilton	706	111	441	3,625	397	4,463	3,804	166	9	493
Hotel Dieu	Kingston	188	20	106	661	79	846	708	19	4	119
Kingston General†	Kingston	328	25	189	1,620	108	1,917	1,658	61	1	198
St. Joseph's	London	298	52	184	999	149	1,332	1.121	49	3	162
Victoria‡	London	448	36	327	1,762	160	2,249	1,884	93	5	272
Ottawa Civic	Ottawa	540	60	472	2,899	248	3,619	3.076	143	10	400
Ottawa General	Ottawa	360	22	277	1,683	94	2,054	1.732	68	3	254
St. Joseph's	Sudbury	198	41	127	1,258	245	1,630	1,453	39	17	138
Hosp. for Sick Children	Toronto	432	......	336	2,170	......	2,506	2.179	74	......	253
St. Joseph's	Toronto	335	43	277	1.501	181	1.959	1,678	76	5	205
St. Michael's	Toronto	627	60	459	2,672	307	3.438	2.807	174	11	457
Toronto General	Toronto	1.144	175	988	4,637	429	6.054	4.919	220	18	915
Toronto Western	Toronto	494	72	455	2,597	406	3.458	2.930	119	20	409
Hotel Dieu	Windsor	195	32	110	823	134	1.067	936	42	5	89
TOTALS		6.682	793	5,040	30,519	3,155	38,714	32.637	1.431	121	4,646
GRAND TOTALS:											
Public General Hospitals		**12,944**	**2,004**	**9,273**	**59,056**	**7,880**	**76,209**	**64,600**	**2,904**	**321**	**8,705**
Red Cross Outposts		**352**	**92**	**191**	**1,748**	**302**	**2,241**	**1,970**	**63**	**18**	**208**
GRAND TOTALS incl. Red Cross		**13,296**	**2,096**	**9,464**	**60,804**	**8,182**	**78,450**	**66,570**	**2,967**	**339**	**8,913**

*Includes 10 isolation beds and 2 patients.

**Includes 20 isolation beds and 9 patients.

†Includes 20 isolation beds and 36 patients.

‡Includes 18 isolation beds and 40 patients.

PUBLIC HOSPITALS (Cont'd)

(Three Months' Period Ending December 31st, 1939)

TABLE No. II.—Showing the collective stay in days of the patients admitted and infants born in the hospital; also the average stay in days each patient was under treatment.

Name of Hospital	Location	Total patients treated during period	Total patient days, adults and children, for period	Total days, infants born, for period	Total patient days, all patients, for period	Average number patients in hospital daily	Number graduate and professional staff	Number other employees, including nurses-in-training	Percentage of beds occupied during period
GROUP 1 Capacity, 1 to 25 Beds									%
Rosedale War Memorial	Matheson	67	523	79	602	6.5	5	6	36.4
Louise Marshall	Mount Forest	61	605	123	728	7.9	3	5	37.7
Cottage	Niagara-on-the-Lake	35	417	62	479	5.2	3	5	22.6
General	Palmerston	96	739	122	861	9.4	4	2	55.1
General	Penetanguishene	143	765	105	870	9.5	4	4	43.0
General	Wingham	93	689	175	864	9.4	5	4	37.6
TOTALS		495	3,738	666	4,404	47.9	24	26	33.7
GROUP 2 Capacity, 26 to 50 Beds									
Stevenson Memorial	Alliston	141	1,361	227	1,588	17.3	9	7	43.2
Rosamond Memorial	Almonte	107	940	241	1,181	12.8	4	3	49.4
Bowmanville	Bowmanville	152	946	356	1,302	14.2	6	15	47.2
Lady Minto	Chapleau	111	1,792	73	1,865	20.3	5	6	50.7
Public	Clinton	139	1,132	365	1,497	16.3	4	11	52.5
Cobalt Municipal	Cobalt	66	453	88	541	5.9	3	6	22.6
Haldimand War Memorial	Dunnville	117	1,093	159	1,252	13.6	7	4	45.4
Red Cross Memorial	Durham	84	990	234	1,224	13.3	3	4	40.3
Groves Memorial	Fergus	148	1,243	229	1,472	16.0	8	5	43.2
Douglas Memorial	Fort Erie	208	1,713	188	1,901	20.7	8	11	44.0
Alexandra Marine & General	Goderich	194	2,378	291	2,669	29.0	5	11	58.0
Misericordia	Haileybury	197	1,920	21	1,941	21.1	6	8	68.1
Hanover Memorial	Hanover	79	680	151	831	9.0	4	4	33.5
Notre Dame	Hawkesbury	157	1,125	56	1,181	12.8	2	16	47.5
St. Paul's	Hearst	246	3,006	229	3,235	35.2	12	15	130.2
Alexandra	Ingersoll	153	1,466	245	1,711	18.6	9	6	45.4
Anson General	Iroquois Falls	174	1,801	153	1,954	21.2	7	8	46.2
Kincardine General	Kincardine	130	1,167	116	1,283	13.9	5	5	39.8
Memorial	Listowel	145	1,228	192	1,420	15.4	4	4	59.4
General	Mattawa	119	1,925	101	2,026	22.0	6	11	55.1
St. Andrew's	Midland	250	2,133	425	2,558	27.8	4	26	69.1
York County	Newmarket	237	2,411	335	2,746	29.8	11	9	74.6
Queen Victoria Memorial	North Bay	289	2,547	310	2,857	31.1	15	12	77.2
Lord Dufferin	Orangeville	231	2,109	374	2,483	27.0	11	6	60.0
Willett	Paris	148	1,517	182	1,699	18.5	7	8	42.9
Parry Sound General	Parry Sound	205	2,066	207	2,273	24.7	7	9	70.6
Charlotte E. Englehart	Petrolia	191	1,391	318	1,709	18.6	11	9	53.1
Prince Edward County	Picton	266	2,141	395	2,536	27.6	4	26	64.1
Scott Memorial	Seaforth	125	1,044	140	1,184	12.9	6	10	47.7
General	Sioux Lookout	130	1,057	58	1,115	12.1	5	8	43.3
St. Francis General	Smith's Falls	130	2,133	84	2,217	24.1	18	14	60.2
Porcupine General	South Porcupine	298	1,825	510	2,335	25.4	10	10	66.8
Strathroy General	Strathroy	151	1,847	191	2,038	22.2	6	22	44.3
St. Jean de Brebeuf	Sturgeon Falls	213	2,803	168	2,971	32.3	7	11	80.7
Soldiers' Memorial	Tillsonburg	310	2,339	557	2,896	31.5	17	12	65.6
Lockwood Clinic	Toronto	205	1,747	....	1,747	19.0	18	17	47.5
Mothercraft	Toronto	46	1,245	....	1,245	13.5	4	25	48.3
County of Bruce General	Walkerton	183	1,205	213	1,418	15.4	6	13	35.8
TOTALS		6,475	61,919	8,182	70,101	762.0	284	407	53.9
GROUP 3 Capacity, 51 to 100 Beds									
Royal Victoria	Barrie	351	3,630	557	4,187	45.5	5	52	60.7
Peel Memorial	Brampton	275	1,982	410	2,392	26.0	14	12	46.4
St. Vincent de Paul	Brockville	305	3,644	367	4,011	43.6	15	52	53.2
Cobourg General	Cobourg	244	2,077	379	2,456	26.7	13	12	46.0
Lady Minto	Cochrane	230	3,760	273	4,033	43.8	17	15	62.6
General and Marine	Collingwood	286	3,460	381	3,841	41.7	8	48	69.6
Galt General	Galt	461	4,437	443	4,880	53.0	34	27	58.3
Kenora General	Kenora	234	2,547	215	2,762	30.0	6	20	42.9
St. Joseph's	Kenora	246	2,788	219	3,007	32.7	8	21	48.1
Ross Memorial	Lindsay	426	3,890	599	4,489	48.8	8	35	65.9
St. Joseph's General	North Bay	449	5,019	252	5,271	57.3	9	66	60.3
Orillia Soldiers' Memorial	Orillia	482	4,786	455	5,241	57.0	9	47	67.0
Oshawa General	Oshawa	707	5,018	624	5,642	61.3	15	65	63.2
Protestant Children's	Ottawa	201	2,519		2,519	27.4	9	21	49.8
Salvation Army Grace	Ottawa	817	4,478	3,314	7,792	84.7	10	60	87.3
St. Joseph's General	Parry Sound	279	2,529	401	2,930	31.8	4	23	43.0
Cottage	Pembroke	292	3,092	147	3,239	35.2	17	15	61.8
Great War Memorial	Perth	296	2,828	383	3,211	34.9	18	11	67.1

PUBLIC HOSPITALS (Cont'd)

(Three Months' Period Ending December 31st, 1939)

TABLE No. II.—Showing the collective stay in days of the patients admitted and infants born in the hospital; also the average stay in days each patient was under treatment.

Name of Hospital	Location	Total patients treated during period	Total patient days, adults and children, for period	Total days, infants born, for period	Total patient days, all patients, for period	Average number patients in hospital daily	Number graduate and professional staff	Number other employees, including nurses-in-training	Percentage of beds occupied during period
Group 3 (Cont'd)									%
Nicholl's	Peterborough	598	6,142	873	7,015	76.2	19	84	81.1
St. Joseph's	Peterborough	465	4,477	523	5,000	54.3	13	53	52.5
Port Hope	Port Hope	178	1,390	198	1,588	17.3	11	10	33.8
Victoria	Renfrew	251	3,169	285	3,454	37.5	4	27	44.7
General	Sault Ste. Marie	394	3,590	497	4,087	44.4	15	41	44.4
Plummer Memorial	Sault Ste. Marie	337	2,935	439	3,374	36.7	11	37	59.2
Norfolk General	Simcoe	431	3,632	777	4,409	47.9	30	19	63.1
Smith's Falls Public	Smith's Falls	268	2,988	269	3,257	35.4	22	12	64.4
Welland County General	Welland	532	3,982	735	4,717	51.3	31	13	64.1
TOTALS		10,035	94,789	14,015	108,804	1,182.7	375	898	58.7
GROUP 4 Capacity, 101 to 200 Beds									
Belleville General	Belleville	1,067	9,830	1,101	10,931	118.8	16	112	88.1
Brockville General	Brockville	451	4,637	283	4,920	53.5	11	73	50.5
Public General	Chatham	614	5,802	755	6,557	71.3	11	97	64.8
St. Joseph's	Chatham	570	5,186	817	6,003	65.2	11	80	51.4
Cornwall General	Cornwall	492	4,868	454	5,322	57.8	12	65	53.6
Hotel Dieu	Cornwall	790	8,124	671	8,795	95.6	25	63	63.7
Guelph General	Guelph	558	5,632	461	6,093	66.2	10	91	57.1
St. Joseph's	Guelph	529	5,424	831	6,255	68.0	16	100	60.7
St. Joseph's	Hamilton	1,043	10,416	1,627	12,043	130.9	43	159	70.8
Kitchener-Waterloo	Kitchener	651	5,497	893	6,390	69.5	23	101	49.6
St. Mary's	Kitchener	521	4,843	686	5,529	60.1	23	88	46.2
Niagara Falls General	Niagara Falls	587	5,126	770	5,896	64.1	13	75	45.8
General and Marine	Owen Sound	458	3,886	602	4,488	48.8	15	73	47.8
Pembroke General	Pembroke	388	4,137	286	4,423	48.1	14	57	38.5
General, of Port Arthur	Port Arthur	636	6,795	595	7,390	80.3	24	80	59.9
St. Joseph's General	Port Arthur	922	10,634	664	11,298	122.8	14	97	61.4
St. Catharines General*	St. Catharines	995	8,577	1,188	9,765	106.1	17	111	53.1
Memorial	St. Thomas	679	6,440	1,003	7,443	80.9	18	106	71.6
Sarnia General	Sarnia	621	4,764	1,055	5,819	63.2	11	101	49.4
Stratford General	Stratford	676	6,162	792	6,954	75.6	13	85	54.4
St. Mary's	Timmins	912	7,454	844	8,298	90.2	27	87	57.8
Mount Sinai	Toronto	741	6,787	762	7,549	82.1	38	40	80.4
Salvation Army Grace	Toronto	552	2,971	2,035	5,006	54.4	18	60	51.3
Toronto East General	Toronto	1,094	11,026	1,704	12,730	138.4	32	144	78.2
Wellesley	Toronto	730	6,811	747	7,558	82.2	18	157	71.4
Women's College	Toronto	1,093	8,421	2,123	10,544	114.6	36	152	62.0
Metropolitan General	Windsor	859	6,922	1,053	7,975	86.7	49	51	56.3
Salvation Army Grace	Windsor	791	6,980	1,055	8,035	87.3	13	92	72.8
Woodstock General	Woodstock	470	4,460	657	5,117	55.6	15	78	54.5
TOTALS		20,490	188,612	26,514	215,126	2,338.3	586	2,675	59.7
GROUP 5 Capacity, 201 Beds and Over									
Brantford General**	Brantford	1,011	12,016	1,569	13,585	147.7	29	150	71.3
McKellar General	Fort William	1,111	13,469	1,337	14,806	160.9	28	86	71.2
Hamilton General (including Mt. Hamilton Branch)	Hamilton	4,463	47,133	4,800	51,933	564.5	101	583	69.1
Hotel Dieu	Kingston	846	9,640	775	10,415	113.2	44	137	54.4
Kingston General†	Kingston	1,917	18,952	1,150	20,102	218.5	57	253	61.9
St. Joseph's	London	1,332	14,450	1,825	16,275	176.9	38	212	50.5
Victoria‡	London	2,249	30,100	1,952	32,052	348.4	47	385	72.0
Ottawa Civic	Ottawa	3,619	42,257	3,232	45,489	494.4	93	433	82.4
Ottawa General	Ottawa	2,054	24,688	1,065	25,753	279.9	121	238	73.3
St. Joseph's	Sudbury	1,630	11,603	2,302	13,905	151.1	27	156	63.2
Hospital for Sick Children	Toronto	2,506	31,445	......	31,445	341.8	110	417	79.1
St. Joseph's	Toronto	1,959	21,043	2,043	23,086	250.9	65	321	66.4
St. Michael's	Toronto	3,438	43,251	3,573	46,824	509.0	128	530	74.1
Toronto General	Toronto	6,054	85,911	4,880	90,791	986.9	247	1,011	74.8
Toronto Western	Toronto	3,458	37,838	4,527	42,365	460.5	163	523	81.4
Hotel Dieu	Windsor	1,067	8,246	1,440	9,686	105.3	23	132	46.4
TOTALS		38,714	452,042	36,470	488,512	5,309.9	1,321	5,567	71.0
GRAND TOTALS:									
Public General Hospitals		76,209	801,100	85,847	886,947	9,640.7	2,592	9,575	64.4
Red Cross Outposts		2,241	15,721	3,108	18,829	204.7	88	90	46.1
GRAND TOTALS incl. Red Cross		78,450	816,821	88,955	905,776	9,845.4	2,680	9,665	63.9

*Includes 2 isolation patients with 55 days.

**Includes 9 isolation patients with 226 days.

†Includes 36 isolation patients with 461 days.

‡Includes 40 isolation patients with 779 days.

PUBLIC HOSPITALS (Cont'd)

(Three Months' Period Ending December 31st, 1939)

TABLE No. III.—Showing the cost of operating the hospitals, and the average daily cost of each patient.

Name of Hospital	Location	Total collective days' stay of all patients	Interest and capital charges	Cost of dietaries	Other operating costs	Total operating cost	Average daily per capita cost
GROUP 1 Capacity, 1 to 25 Beds			$ c.	$ c.	$ c.	$ c.	$ c.
Rosedale War Memorial	Matheson	602		517.81	1.887.08	2.404.89	3.99
Louise Marshall	Mount Forest	728		207.05	1.869.62	2.076.67	2.85
Cottage	Niagara-on-the-Lake	479		282.53	1,508.21	1.790.74	3.74
General	Palmerston	861		497.70	1,991.82	2,489.52	2.89
General	Penetanguishene	870		252.84	1.907.19	2.160.03	2.48
General	Wingham	864		496.73	2,569.51	3,066.24	3.55
TOTALS		4,404		2,254.66	11,733.43	13,988.09	3.18
GROUP 2 Capacity, 26 to 50 Beds							
Stevenson Memorial	Alliston	1,588	65.00	915.51	5.138.18	6,053.69	3.81
Rosamond Memorial	Almonte	1,181		485.52	2.891.11	3.376.63	2.86
Bowmanville	Bowmanville	1.302		775.93	4.317.93	5.093.86	3.91
Lady Minto	Chapleau	1,865		980.81	3.607.00	4.587.81	2.46
Public	Clinton	1.497		767.73	3.237.06	4.004.79	2.68
Cobalt Municipal	Cobalt	541		162.99	1,129.37	1.292.36	2.39
Haldimand War Memorial	Dunnville	1.252		920.24	3.557.92	4.478.16	3.58
Red Cross Memorial	Durham	1.224		639.66	1.709.08	2.348.74	1.92
Groves Memorial	Fergus	1.472		771.01	4.337.95	5.108.96	3.47
Douglas Memorial	Fort Erie	1.901		1.338.14	5.480.42	6.818.56	3.59
Alexandra Marine & General	Goderich	2.669		2,031.74	5.421.32	7.453.06	2.79
Misericordia	Haileybury	1,941	1.248.44	1.173.91	3.337.42	4.511.33	2.32
Hanover Memorial	Hanover	831		214.70	1.936.63	2.151.33	2.59
Notre Dame	Hawkesbury	1,181	83.35	937.17	3.863.68	4.800.85	4.07
St. Paul's	Hearst	3.235		1.979.03	6.545.78	8.524.81	2.64
Alexandra	Ingersoll	1,711		852.97	4.417.63	5.270.60	3.08
Anson General	Iroquois Falls	1.954		1.551.42	7.296.30	8.847.72	4.53
Kincardine General	Kincardine	1.283		697.81	3.287.25	3.985.06	3.11
Memorial	Listowel	1,420		684.25	3.305.10	3,989.35	2.81
General	Mattawa	2.026		503.96	3.661.49	4.165.45	2.06
St. Andrew's	Midland	2.558	74.25	903.92	4.550.34	5.454.26	2.13
York County	Newmarket	2.746		1.349.83	6.390.48	7.740.31	2.82
Queen Victoria Memorial	North Bay	2.857		1.825.94	8.698.41	10.524.35	3.68
Lord Dufferin	Orangeville	2.483		835.19	5.360.81	6.196.00	2.50
Willett	Paris	1.699		970.46	3.912.96	4.883.42	2.87
Parry Sound General	Parry Sound	2.273		1.022.34	3.544.52	4.566.86	2.01
Charlotte E. Englehart	Petrolia	1.709		938.43	4.407.42	5.345.85	3.13
Prince Edward County	Picton	2.536	67.50	1.472.53	3.758.70	5.231.23	2.06
Scott Memorial	Seaforth	1.184		581.19	2.629.96	3.211.15	2.71
General	Sioux Lookout	1,115		548.70	3.161.89	3.710.59	3.33
St. Francis General	Smith's Falls	2.217	94.91	2.000.38	4.353.88	6.354.26	2.87
Porcupine General	South Porcupine	2.335		1.585.03	7.882.91	9.467.94	4.05
Strathroy General	Strathroy	2.038		1.022.62	5.011.03	6.033.65	2.96
St. Jean de Brebeuf	Sturgeon Falls	2,971		1.608.16	4.503.15	6.111.31	2.06
Soldiers' Memorial	Tillsonburg	2.896		1.716.55	7.141.75	8.858.30	3.06
Lockwood Clinic	Toronto	1.747		1.397.74	5.785.10	7.182.84	4.11
Mothercraft	Toronto	1.245		613.04	2.744.63	3.357.67	2.70
County of Bruce General	Walkerton	1.418		615.39	4.424.35	5.039.74	3.55
TOTALS		70.101	1,633.45	39.391.94	166.740.91	206.132.85	2.94
GROUP 3 Capacity, 51 to 100 Beds							
Royal Victoria	Barrie	4.187		3.526.98	8.925.04	12.452.02	2.97
Peel Memorial	Brampton	2.392	129.91	1.407.23	5.424.57	6.831.80	2.86
St. Vincent de Paul	Brockville	4.011	738.00	4.095.51	8.829.31	12.924.82	3.22
Cobourg General	Cobourg	2.456		1.259.11	5.591.38	6.850.49	2.79
Lady Minto	Cochrane	4.033		2.330.23	7.596.80	9.927.03	2.46
General and Marine	Collingwood	3.841		3.348.52	9.341.88	12.690.40	3.30
Galt General	Galt	4.880		3.756.45	15.200.04	18.956.49	3.88
Kenora General	Kenora	2.762		2.032.28	5.686.03	7.718.31	2.79
St. Joseph's	Kenora	3.007	1.275.00	1.998.23	5.710.81	7.709.04	2.56
Ross Memorial	Lindsay	4.489		2.315.78	10.222.13	12.537.91	2.79
St. Joseph's General	North Bay	5.271	264.40	2.285.78	8.245.09	10.530.87	2.00
Orillia Soldiers' Memorial	Orillia	5.241	209.74	4.209.01	11.225.39	15,434.40	2.94
Oshawa General	Oshawa	5.642		4.638.32	14.792.39	19,430.71	3.44
Protestant Children's	Ottawa	2.519		1.123.84	6.197.33	7,321.17	2.91
Salvation Army Grace	Ottawa	7.792		3.414.19	11.266.58	14.680.77	1.88
St. Joseph's General	Parry Sound	2.930	75.00	1.746.73	4.493.83	6.240.56	2.13
Cottage	Pembroke	3.239		2.048.61	8.557.07	10.605.68	3.27
Great War Memorial	Perth	3.211		1.677.32	7.330.31	9.007.63	2.81

PUBLIC HOSPITALS (Cont'd)

(Three Months' Period Ending December 31st, 1939)

TABLE No. III.—Showing the cost of operating the hospitals, and the average daily cost of each patient.

Name of Hospital	Location	Total collective days' stay of all patients	Interest and capital charges	Cost of dietaries	Other operating costs	Total operating cost	Average daily per capita cost
Group 3 (Cont'd)			$ c.	$ c.	$ c.	$ c.	$ c.
Nicholl's	Peterborough	7,015		5,488.55	18,344.54	23,833.09	3.40
St. Joseph's	Peterborough	5,000	408.90	3,008.52	8,866.95	11,875.47	2.38
Port Hope	Port Hope	1,588		958.09	5,088.35	6,046.44	3.81
Victoria	Renfrew	3,454	985.07	1,711.55	5,889.51	7,601.06	2.20
General	Sault Ste. Marie	4,087		2,200.74	11,475.95	13,676.69	3.35
Plummer Memorial	Sault Ste. Marie	3,374	481.25	1,979.68	7,720.68	9,700.36	2.88
Norfolk General	Simcoe	4,409		2,970.01	13,412.49	16,382.50	3.72
Smith's Falls Public	Smith's Falls	3,257		2,087.88	7,092.99	9,180.87	2.82
Welland County General	Welland	4,717		2,353.28	13,474.00	15,827.28	3.36
TOTALS		108,804	4,567.27	69,972.42	246,001.44	315,973.86	2.90
GROUP 4 Capacity, 101 to 200 Beds							
Belleville General	Belleville	10,931		5,495.60	23,324.32	28,819.92	2.64
Brockville General	Brockville	4,920		5,013.39	16,013.91	21,027.30	4.27
Public General	Chatham	6,557	1,122.20	5,388.64	14,976.08	20,364.72	3.11
St. Joseph's	Chatham	6,003		5,867.18	15,704.55	21,571.73	3.59
Cornwall General	Cornwall	5,322		4,349.79	11,251.81	15,601.60	2.93
Hotel Dieu	Cornwall	8,795	2,598.57	5,568.33	15,870.09	21,438.42	2.44
Guelph General	Guelph	6,093		6,548.30	18,168.62	24,716.92	4.06
St. Joseph's	Guelph	6,255		4,517.08	16,485.06	21,002.14	3.36
St. Joseph's	Hamilton	12,043		9,112.56	28,707.88	37,820.44	3.14
Kitchener-Waterloo	Kitchener	6,390		7,980.65	29,573.85	37,554.50	5.88
St. Mary's	Kitchener	5,529	1,759.86	5,457.50	14,413.64	19,871.14	3.59
Niagara Falls General	Niagara Falls	5,896		3,589.43	14,054.05	17,643.48	2.99
General and Marine	Owen Sound	4,488	220.00	3,336.74	14,906.10	18,242.84	4.06
Pembroke General	Pembroke	4,423	2,902.00	3,042.46	12,212.89	15,255.35	3.45
General, of Port Arthur	Port Arthur	7,390	11,237.74	5,214.61	16,394.05	21,608.66	2.92
St. Joseph's General	Port Arthur	11,298		7,773.96	24,787.18	32,561.14	2.88
St. Catharines General	St. Catharines	9,765	289.86	6,904.25	24,942.13	31,846.38	3.26
Memorial	St. Thomas	7,443		5,526.01	20,246.01	25,772.02	3.46
Sarnia General	Sarnia	5,819		5,096.38	17,532.58	22,628.96	3.89
Stratford General	Stratford	6,954		5,324.95	18,521.21	23,846.16	3.43
St. Mary's	Timmins	8,298		6,117.19	26,295.65	32,412.84	3.91
Mount Sinai	Toronto	7,549	175.32	4,843.52	22,350.15	27,193.67	3.60
Salvation Army Grace	Toronto	5,006	1,485.00	3,048.04	10,818.13	13,866.17	2.77
Toronto East General	Toronto	12,730	168.07	10,440.62	38,095.97	48,536.59	3.81
Wellesley	Toronto	7,558	2,836.26	10,655.99	29,766.26	40,422.25	5.35
Women's College	Toronto	10,544	1,733.57	6,185.64	32,657.47	38,843.11	3.68
Metropolitan General	Windsor	7,975		6,015.84	36,207.87	42,223.71	5.29
Salvation Army Grace	Windsor	8,035		5,885.97	21,157.97	27,043.94	3.37
Woodstock General	Woodstock	5,117	68.75	3,997.79	15,083.69	19,081.48	3.73
TOTALS		215,126	26,597.20	168,298.41	600,519.17	768,817.58	3.57
GROUP 5 Capacity, 201 Beds and Over							
Brantford General	Brantford	13,585		8,015.41	33,858.06	41,873.47	3.08
McKellar General	Fort William	14,806	5,381.16	7,118.85	27,204.40	34,323.25	2.32
Hamilton General (including Mt. Hamilton Branch)	Hamilton	51,933	6,725.56	41,134.88	158,919.71	200,054.59	3.85
Hotel Dieu	Kingston	10,415	2,932.89	8,761.89	19,839.16	28,601.05	2.75
Kingston General	Kingston	20,102	3,350.00	15,897.59	63,238.13	79,135.72	3.94
St. Joseph's	London	16,275	3,775.38	13,740.66	32,049.63	45,790.29	2.81
Victoria	London	32,052	10,669.40	24,525.59	84,686.78	109,212.37	3.41
Ottawa Civic	Ottawa	45,489	26,663.05	29,271.82	136,753.50	166,025.32	3.65
Ottawa General	Ottawa	25,753	8,537.64	13,241.94	61,822.87	75,064.81	2.91
St. Joseph's	Sudbury	13,905	7,156.25	7,413.45	30,553.28	37,966.73	2.73
Hospital for Sick Children	Toronto	31,445		23,427.80	125,395.21	148,823.01	4.73
St. Joseph's	Toronto	23,086	5,461.50	13,988.42	60,391.94	74,380.36	3.22
St. Michael's	Toronto	46,824	12,600.00	31,880.65	130,860.44	162,741.09	3.48
Toronto General	Toronto	90,791		59,850.09	317,296.33	377,146.42	4.15
Toronto Western	Toronto	42,365	3,750.00	32,126.21	149,636.17	181,762.38	4.29
Hotel Dieu	Windsor	9,686	2,969.38	9,346.76	19,065.70	28,412.46	2.93
TOTALS		488,512	99,972.21	339,742.01	1,451,571.31	1,791,313.32	3.67
GRAND TOTALS:							
Public General Hospitals		886,947	132,770.13	619,460.61	2,475,865.62	3,095,326.23	3.49
Red Cross Outposts		18,288		11,574.04	56,157.39	67,731.43	3.29
GRAND TOTALS incl. Red Cross		905,235	132,770.13	631,034.65	2,532,023.01	3,163,057.66	3.49

PUBLIC HOSPITALS (Cont'd)

(Three Months' Period Ending December 31st, 1939)

TABLE No. IV.—Showing the sources of income of hospitals.

Name of Hospital	Location	Income from patients for treatment	Income from munici-palities for patients' treatment	Income from investments, endow-ments, property, miscellaneous	Income from donations, bequests and other gratuitous sources	Grants from munici-palities for building, debentures, etc.	Total income from all sources other than Government grants
GROUP 1 Capacity, 1 to 25 Beds		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Rosedale War Memorial	Matheson	759.55	458.30	....	1,528.75	....	2,746.60
Louise Marshall	Mount Forest	1,505.87	325.55	....	31.20	....	1,862.62
Cottage	Niagara-on-Lake	618.82	368.45	17.85	35.62	....	1,040.74
General	Palmerston	1,867.32	486.00	7.38	500.00	....	2,860.70
General	Penetanguishene	610.58	704.28	....	20.00	....	1,334.86
General	Wingham	3,648.83	167.45	....	10.00	....	3,826.28
TOTALS	....	9,010.97	2,510.03	25.23	2,125.57	....	13,671.80
GROUP 2 Capacity, 26 to 50 Beds							
Stevenson Memorial	Alliston	3,236.24	471.15	4,434.05	....	....	8,141.44
Rosamond Memorial	Almonte	1,996.50	746.35	497.90	1,004.08	....	4,244.83
Bowmanville	Bowmanville	2,743.05	783.20	120.63	....	....	3,646.88
Lady Minto	Chapleau	3,568.60	....	384.98	....	....	3,953.58
Public	Clinton	4,148.38	539.75	15.30	....	....	4,703.43
Cobalt Municipal	Cobalt	1,639.90	450.55	....	....	....	2,090.45
Haldimand War Memorial	Dunnville	2,656.90	818.50	77.95	289.58	....	3,842.93
Red Cross Memorial	Durham	2,319.95	280.00	....	....	....	2,599.95
Groves Memorial	Fergus	4,005.96	378.20	....	....	....	4,384.16
Douglas Memorial	Fort Erie	5,858.13	1,046.35	....	374.08	....	7,278.56
Alexandra Marine & Gen.	Goderich	4,557.68	555.75	788.00	255.00	....	6,157.43
Misericordia	Haileybury	4,549.30	162.75	....	1,732.30	....	6,444.35
Hanover Memorial	Hanover	1,496.55	366.99	....	52.30	....	1,915.84
Notre Dame	Hawkesbury	1,285.33	1,436.55	....	1,451.47	....	4,173.35
St. Paul's	Hearst	2,149.70	28.00	....	841.75	....	3,019.45
Alexandra	Ingersoll	3,616.93	1,500.00	1,684.50	....	....	6,801.43
Anson General	Iroquois Falls	6,247.52	784.38	....	....	....	7,031.90
Kincardine General	Kincardine	2,567.76	....	126.65	....	....	2,694.41
Memorial	Listowel	2,411.43	500.00	136.74	....	....	3,048.17
General	Mattawa	1,762.47	1,368.24	802.63	888.55	....	4,821.89
St. Andrew's	Midland	2,998.71	2,430.10	86.61	110.50	....	5,625.92
York County	Newmarket	6,150.04	3,252.35	....	....	....	9,402.39
Queen Victoria Memorial	North Bay	8,125.10	3,777.00	....	1,077.54	3,449.06	16,428.70
Lord Dufferin	Orangeville	6,023.33	2,087.80	4.06	115.00	....	8,230.19
Willett	Paris	5,119.45	556.47	65.25	212.50	....	5,953.67
Parry Sound General	Parry Sound	4,136.00	760.75	....	194.46	....	5,091.21
Charlotte E. Englehart	Petrolia	3,614.25	587.15	757.00	....	....	4,958.40
Prince Edward County	Picton	4,046.20	1,093.65	303.68	103.00	....	5,546.53
Scott Memorial	Seaforth	3,198.55	113.75	....	....	....	3,312.30
General	Sioux Lookout	3,172.05	132.00	150.86	520.07	....	3,974.98
St. Francis General	Smith's Falls	4,061.22	883.75	....	2,602.33	....	7,547.30
Porcupine General	South Porcupine	9,825.79	294.45	299.34	402.54	....	10,822.12
Strathroy General	Strathroy	3,030.10	1,406.10	30.25	19.15	....	4,485.60
St. Jean de Brebeuf	Sturgeon Falls	1,822.10	3,432.45	....	75.00	....	5,329.55
Soldiers' Memorial	Tillsonburg	6,847.83	1,180.15	835.64	626.11	....	9,489.73
Lockwood Clinic	Toronto	7,656.35	....	....	....	....	7,656.35
Mothercraft	Toronto	806.40	1,491.00	....	....	....	2,297.40
County of Bruce Gen.	Walkerton	3,284.99	300.00	73.06	141.00	....	3,799.05
TOTALS	....	146,736.74	35,995.63	11,675.08	13,089.31	3,449.06	210,945.82
GROUP 3 Capacity, 51 to 100 Beds							
Royal Victoria	Barrie	6,795.37	2,409.13	....	....	....	9,204.50
Peel Memorial	Brampton	6,424.04	863.25	1.47	....	....	7,288.76
St. Vincent de Paul	Brockville	10,886.75	1,841.15	77.28	3,143.36	....	15,948.54
Cobourg General	Cobourg	5,381.06	1,087.95	183.18	166.64	....	6,818.83
Lady Minto	Cochrane	4,698.78	468.75	40.52	76.00	....	5,284.05
General and Marine	Collingwood	7,522.30	1,846.00	214.75	517.01	....	10,100.06
Galt General	Galt	12,061.66	3,353.10	314.03	241.90	....	15,970.69
Kenora General	Kenora	5,110.10	4,567.43	....	131.84	....	9,809.37
St. Joseph's	Kenora	3,533.54	1,317.21	45.00	1,480.20	....	6,375.95
Ross Memorial	Lindsay	10,356.05	2,380.75	362.09	....	....	13,098.89
St. Joseph's General	North Bay	9,380.99	2,896.35	19.88	2,626.03	....	14,923.25
Orillia Soldiers' Memorial	Orillia	11,425.70	2,051.50	178.60	....	....	13,655.80
Oshawa General	Oshawa	17,120.34	2,753.45	2,072.07	231.10	....	22,176.96
Protestant Children's	Ottawa	1,208.51	3,368.25	9.81	992.13	....	5,578.70
Salvation Army Grace	Ottawa	9,632.28	1,779.95	....	279.25	....	11,691.48
St. Joseph's General	Parry Sound	3,838.11	585.30	....	1,572.50	....	5,995.91
Cottage	Pembroke	7,862.16	591.65	483.25	159.00	....	9,096.06
Great War Memorial	Perth	8,141.58	936.80	271.25	200.86	....	9,550.49

PUBLIC HOSPITALS (Cont'd)

(Three Months' Period Ending December 31st, 1939)

Table No. IV.—Showing the sources of income of hospitals.

Name of Hospital	Location	Income from patients for treatment	Income from municipalities for patients' treatment	Income from investments, endowments, property, miscellaneous	Income from donations, bequests and other gratuitous sources	Grants from municipalities for building, debentures, etc.	Total income from all sources other than Government grants
Group 3 (Cont'd)		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Nicholl's	Peterborough	16,593.85	2,405.35	4,777.52	...	...	23,776.72
St. Joseph's	Peterborough	9,789.85	2,625.75	216.00	2,550.00	...	15,181.60
Port Hope	Port Hope	4,037.04	935.45	440.06	...	...	5,412.55
Victoria	Renfrew	5,342.16	2,552.60	2.94	...	...	7,897.70
General	Sault Ste. Marie.	10,827.57	19.25	...	1,980.03	...	12,826.85
Plummer Memorial	Sault Ste. Marie.	8,542.32	1,091.60	...	153.00	...	9,786.92
Norfolk General	Simcoe	9,256.04	7,999.61	347.41	2,217.40	...	19,820.46
Smith's Falls Public	Smith's Falls	6,898.47	1,503.60	373.49	404.00	...	9,179.56
Welland County General.	Welland	13,428.33	2,009.60	37.33	1,032.50	...	16,507.76
TOTALS	...	226,094.95	56,240.78	10,467.93	20,154.75	...	312,958.41
GROUP 4 Capacity, 101 to 200 Beds							
Belleville General	Belleville	22,659.54	9,266.85	262.10	1,072.00	...	33,260.49
Brockville General	Brockville	12,639.70	2,859.81	391.52	724.13	...	16,615.16
Public General	Chatham	17,180.86	1,697.25	...	2,588.60	...	21,466.71
St. Joseph's	Chatham	13,785.84	6,327.75	...	4,104.65	...	24,218.24
Cornwall General	Cornwall	13,518.00	4,114.85	1,080.21	1,432.00	...	20,145.06
Hotel Dieu	Cornwall	8,818.79	9,665.70	...	230.00	...	18,714.49
Guelph General	Guelph	17,040.36	12,569.15	348.84	10.00	...	29,968.35
St. Joseph's	Guelph	14,276.23	1,459.10	16.30	1,711.31	...	17,462.94
St. Joseph's	Hamilton	25,208.67	4,707.75	...	143.00	...	30,059.42
Kitchener-Waterloo	Kitchener	22,692.06	7,457.08	449.45	...	*105.50	30,704.09
St. Mary's	Kitchener	16,528.31	7,721.77	...	2,910.33	...	27,160.41
Niagara Falls General	Niagara Falls	17,000.50	3,206.12	79.57	217.56	...	20,503.75
General and Marine	Owen Sound	14,557.66	5,328.28	10.42	125.00	...	20,021.36
Pembroke General	Pembroke	8,902.99	3,152.60	34.73	3,443.40	...	15,533.72
General, of Port Arthur	Port Arthur	18,596.55	492.20	298.52	550.00	...	19,937.27
St. Joseph's General	Port Arthur	19,751.55	3,375.00	...	8,185.00	...	31,311.55
St. Catharines General	St. Catharines	24,453.30	6,734.15	1,027.00	1,000.00	*428.00	33,642.45
Memorial	St. Thomas	19,307.60	6,702.60	457.63	365.81	...	26,833.64
Sarnia General	Sarnia	16,387.45	3,727.60	...	...	...	20,115.05
Stratford General	Stratford	17,288.49	3,429.85	...	150.00	...	20,868.34
St. Mary's	Timmins	23,100.85	7,162.75	7.64	1,910.36	...	32,181.60
Mount Sinai	Toronto	15,586.80	6,581.48	...	2,775.38	...	24,943.66
Salvation Army Grace	Toronto	10,472.33	1,036.16	...	33.50	...	11,541.99
Toronto East General	Toronto	30,009.70	10,286.71	...	123.00	...	40,419.41
Wellesley	Toronto	40,581.56	854.00	...	...	...	41,435.56
Women's College	Toronto	24,884.03	9,085.19	...	183.25	*700.00	34,852.47
Metropolitan General	Windsor	27,011.00	6,056.75	...	142.75	...	33,210.50
Salvation Army Grace	Windsor	21,964.66	5,100.00	...	50.00	...	27,114.66
Woodstock General	Woodstock	13,810.57	2,125.05	337.16	495.43	...	16,768.21
TOTALS	...	548,015.95	152,283.55	4,801.09	34,676.46	1,233.50	741,010.55
GROUP 5 Capacity, 201 Beds and Over							
Brantford General	Brantford	25,053.46	15,244.20	240.31	...	*315.75	40,853.72
McKellar General	Fort William	32,404.12	8,991.26	...	48.00	*399.75	41,843.13
Hamilton General (incl. Mt. Hamilton Branch)	Hamilton	75,164.10	114,330.50	...	...	...	189,494.60
Hotel Dieu	Kingston	16,819.07	7,766.95	2,433.48	579.86	...	27,599.36
Kingston General	Kingston	51,872.61	17,422.84	8,599.08	1,186.00	*2,446.25	81,526.78
St. Joseph's	London	47,760.59	7,556.30	572.90	3,102.05	...	58,991.84
Victoria	London	61,427.04	26,838.16	95.00	...	*2,873.75 10,669.40	101,903.35
Ottawa Civic	Ottawa	101,855.54	67,352.55	4,525.42	4.00	*4,000.00	177,737.51
Ottawa General	Ottawa	44,473.24	24,256.23	...	12,758.03	*1,000.00	82,487.50
St. Joseph's	Sudbury	36,445.67	4,766.80	2,375.64	12,994.00	...	56,582.11
Hosp. for Sick Children	Toronto	33,214.58	46,485.65	18,085.15	35,536.95	*172.40	133,494.73
St. Joseph's	Toronto	36,532.33	23,482.91	11.66	8,148.96	...	68,175.86
St. Michael's	Toronto	87,753.04	50,314.75	699.28	18,555.00	*1,703.25	159,025.32
Toronto General	Toronto	260,371.50	74,388.14	13,585.81	1,751.00	*1,689.50	351,785.95
Toronto Western	Toronto	129,891.51	33,534.60	...	215.00	*1,485.75	165,126.86
Hotel Dieu	Windsor	29,886.40	4,407.25	...	10,106.50	...	44,400.15
TOTALS	...	1,070,924.80	527,139.09	51,223.73	104,985.35	26,755.80	1,781,028.77
GRAND TOTALS:							
Public General Hospitals		**2,000,437.46**	**774,252.94**	**78,193.06**	**175,216.43**	**†31,438.36**	**3,059,538.25**
Red Cross Outposts		**48,627.51**	**3,993.95**	...	**6,919.45**	...	**59,540.91**
GRAND TOTALS incl. Red Cross		**2,049,064.97**	**778,246.89**	**78,193.06**	**182,135.88**	**†31,438.36**	**3,119,079.16**

*Grants from Province for special clinics and radiotherapy.

†Includes grants from Province for special clinics, $7,819.90, and radiotherapy, $9,500.00.

PUBLIC HOSPITALS (Cont'd)

(Three Months' Period Ending December 31st, 1939)

TABLE No. V.—Showing the basis on which statutory aid is granted.

Name of Hospital	Location	Days at 60c.	Days at 10c.	Infants born, days at 30c.	Total per diem grant	Grant for indigents from unorganized territory	Adjustments DEBIT	Total Government grant
GROUP 1 Capacity, 1 to 25 Beds					$ c.	$ c.	$ c.	$ c.
Rosedale War Memorial	Matheson	375	29	55	244.40	341.65		586.05
Louise Marshall	Mount Forest	297	136	34	202.00			202.00
Cottage	Niagara-on-Lake	256		28	162.00			162.00
General	Palmerston	126		14	79.80			79.80
General	Penetanguishene	466		75	302.10			302.10
General	Wingham	64			38.40			38.40
TOTALS		1,584	165	206	1,028.70	341.65		1,370.35
GROUP 2 Capacity, 26 to 50 Beds								
Stevenson Memorial	Alliston	218		10	133.80			133.80
Rosamond Memorial	Almonte	280		84	193.20			193.20
Bowmanville	Bowmanville	268	92	110	203.00			203.00
Lady Minto	Chapleau	348		16	213.60	467.60		681.20
Public	Clinton	160		25	103.50			103.50
Cobalt Municipal	Cobalt	190		25	121.50	14.70		136.20
Haldimand War Memorial	Dunnville	428		11	260.10			260.10
Red Cross Memorial	Durham	116	184	24	95.20			95.20
Groves Memorial	Fergus	329	96	20	213.00		6.60	206.40
Douglas Memorial	Fort Erie	698	36	19	428.10			428.10
Alexandra Marine & Gen.	Goderich	1,107	294	91	720.90			720.90
Misericordia	Haileybury	1,043	92	1	635.30	520.70		1,156.00
Hanover Memorial	Hanover	233	92	42	161.60			161.60
Notre Dame	Hawkesbury	846		28	516.00			516.00
St. Paul's	Hearst	2,322	21	172	1,446.90	3,051.75		4,498.65
Alexandra	Ingersoll	670	133	27	423.40			423.40
Anson General	Iroquois Falls	193		21	122.10	121.10		243.20
Kincardine General	Kincardine	82	92		58.40			58.40
Memorial	Listowel	183		23	116.70			116.70
General	Mattawa	685	160	78	450.40	1,076.35		1,526.75
St. Andrew's	Midland	950	276	170	648.60	296.80		945.40
York County	Newmarket	578	184	67	385.30			385.30
Queen Victoria Memorial	North Bay	460	19	36	288.70	95.20		383.90
Lord Dufferin	Orangeville	514		24	315.60			315.60
Willett	Paris	737	393	59	499.20		28.70	470.50
Parry Sound General	Parry Sound	983		115	624.30	371.00		995.30
Charlotte E. Englehart	Petrolia	540	4	19	330.10			330.10
Prince Edward County	Picton	494		96	325.20			325.20
Scott Memorial	Seaforth	242			145.20			145.20
General	Sioux Lookout	294	54	14	186.00	120.40		306.40
St. Francis General	Smith's Falls	540	226	18	352.00			352.00
Porcupine General	South Porcupine	302		7	183.30	190.40		373.70
Strathroy General	Strathroy	749	69	42	468.90			468.90
St. Jean de Brebeuf	Sturgeon Falls	2,156		109	1,326.30	604.50		1,930.80
Soldiers' Memorial	Tillsonburg	650	193	43	422.20			422.20
Lockwood Clinic	Toronto							
Mothercraft	Toronto	1,058	24		637.20		34.70	602.50
County of Bruce General	Walkerton	536		54	337.80			337.80
TOTALS		22,182	2,734	1,700	14,092.60	6,930.50	70.00	20,953.10
GROUP 3 Capacity, 51 to 100 Beds								
Royal Victoria	Barrie	1,098	92	101	698.30			698.30
Peel Memorial	Brampton	370	155	30	246.50		24.30	222.20
St. Vincent de Paul	Brockville	1,001	184	87	645.10			645.10
Cobourg General	Cobourg	1,145		103	717.90			717.90
Lady Minto	Cochrane	1,867	149	161	1,183.40	2,397.35	14.00	3,566.75
General and Marine	Collingwood	1,472	119	156	941.90			941.90
Galt General	Galt	1,059	184	93	681.70			681.70
Kenora General	Kenora	1,151	909	121	817.80	923.70		1,741.50
St. Joseph's	Kenora	1,135	586	99	769.30	835.80		1,605.10
Ross Memorial	Lindsay	1,885	99	241	1,213.20		97.20	1,116.00
St. Joseph's General	North Bay	2,269	255	91	1,414.20	170.80	20.40	1,564.60
Orillia Soldiers' Memorial	Orillia	2,146	132	141	1,343.10			1,343.10
Oshawa General	Oshawa	1,665	13	87	1,026.40	22.40		1,048.80
Protestant Children's	Ottawa	2,275			1,365.00			1,365.00
Salvation Army Grace	Ottawa	1,959	250	1,314	1,594.60			1,594.60
St. Joseph's General	Parry Sound	1,356	92	193	880.70	1,062.30	56.00	1,887.00
Cottage	Pembroke	632	130	32	401.80			401.80
Great War Memorial	Perth	608		49	379.50			379.50

PUBLIC HOSPITALS (Cont'd)

(Three Months' Period Ending December 31st, 1939)

TABLE No. V.—Showing the basis on which statutory aid is granted.

Name of Hospital	Location	Days at 60c.	Days at 10c.	Infants born, days at 30c.	Total per diem grant	Grant for indigents from unorganized territory	Adjustments DEBIT	Total Government grant
					$ c.	$ c.	$ c.	$ c.
Group 3 (Cont'd)								
Nicholl's	Peterborough	1,684	276	197	1,097.10			1,097.10
St. Joseph's	Peterborough	2,536	54	182	1,581.60		23.40	1,558.20
Port Hope	Port Hope	480	92	72	318.80			318.80
Victoria	Renfrew	872	92	149	577.10			577.10
General	Sault Ste. Marie	1,244	51	123	788.40	401.80		1,190.20
Plummer Memorial	Sault Ste. Marie	2,574	566	20	1,607.00	165.20		1,772.20
Norfolk General	Simcoe	1,444	92	89	902.30			902.30
Smith's Falls Public	Smith's Falls	880	368	150	609.80			609.80
Welland County	Welland	1,237	87	42	763.50			763.50
TOTALS		38,044	5,027	4.123	24.566.00	5,979.35	235.30	30,310.05
GROUP 4 Capacity, 101 to 200 Beds								
Belleville General	Belleville	4.236		246	2.615.40			2,615.40
Brockville General	Brockville	1.052	184	84	674.80			674.80
Public General	Chatham	1.270	196	47	795.70		103.20	692.50
St. Joseph's	Chatham	1,741	31	158	1,095.10			1,095.10
Cornwall General	Cornwall	1,834	9	89	1,128.00		79.80	1,048.20
Hotel Dieu	Cornwall	6,597	317	547	4,154.00			4,154.00
Guelph General	Guelph	1,648	104	121	1,035.50		78.60	956.90
St. Joseph's	Guelph	1,638	125	194	1,053.50		27.00	1,026.50
St. Joseph's	Hamilton	2,766	10	120	1,696.60			1,696.60
Kitchener-Waterloo	Kitchener	1,453	323	28	912.50		24.00	888.50
St. Mary's	Kitchener	1,396	281	52	881.30			881 30
Niagara Falls General	Niagara Falls	1,242	288	86	799.80			799.80
General and Marine	Owen Sound	1,126	23	73	699.80			699.80
Pembroke General	Pembroke	1,234	438	46	798.00	30.80		828.80
General, of Port Arthur	Port Arthur	5,898	505	302	3.679.90	1,049.40	27.20	4,702.10
St. Joseph's General	Port Arthur	5,386	1,661	379	3.511.40	1,970.30		5,481.70
St. Catharines General	St. Catharines	3,683	123	195	2.280.60	11.20	21.00	2,270.80
Memorial	St. Thomas	2.239	247	215	1.432.60			1,432.60
Sarnia General	Sarnia	1,204	95	144	775.10			775.10
Stratford General	Stratford	1,678	134	149	1,064.90			1,064.90
St. Mary's	Timmins	1,567	376	50	992.80	744.80		1,737.60
Mount Sinai	Toronto	3,763	72	200	2,325.00		100.20	2,224.80
Salvation Army Grace	Toronto	764		455	594.90			594.90
Toronto East General	Toronto	5,899	143	256	3,630.50			3,630.50
Wellesley	Toronto	553	114		343.20			343.20
Women's College	Toronto	3.693	87	579	2,398.20			2,398.20
Metropolitan General	Windsor	2,381	25	42	1,443.70		111.90	1,331.80
Salvation Army Grace	Windsor	1,864	459	163	1,213.20		131.40	1,081.80
Woodstock General	Woodstock	1,279	320	143	842.30			842.30
TOTALS		71,084	6.690	5,163	44.868.30	3,806.50	704.30	47,970.50
GROUP 5 Capacity, 201 Beds and Over								
Brantford General	Brantford	6,698	141	771	4,264.20		67.80	4,196.40
McKellar General	Fort William	4,748	2,583	442	3,239.70	1,969.20		5.208.90
Hamilton General (incl. Mt. Hamilton Branch)	Hamilton	25,228	1,056	2.131	15,881.70		4.50	15,877.20
Hotel Dieu	Kingston	4,920	16	395	3,072.10			3,072.10
Kingston General	Kingston	7,817	696	419	4,885.50	184.00	90.30	4.979.20
St. Joseph's	London	5.411	255	381	3,386.40		83.70	3.302.70
Victoria	London	16.169	336	612	9,918.60		336.00	9.582.60
Ottawa Civic	Ottawa	21,559	590	1,144	13,337.60	12.60		13,350.20
Ottawa General	Ottawa	15,077	52	605	9,232.90	314.30	76.50	9.470.70
St. Joseph's	Sudbury	5,136	70	434	3,218.80	1,512.70		4.731.50
Hosp. for Sick Children	Toronto	25,389	20,124		17,245.80	888.60		18,134.40
St. Joseph's	Toronto	13.748	255	800	8,514.30	63.00		8.577.30
St. Michael's	Toronto	24,920	291	1,697	15,490.20	168.00	944.40	14.713.80
Toronto General	Toronto	47,079	1,188	2,132	29,005.80	1,751.85	248.00	30,509.65
Toronto Western	Toronto	18,832	94	1,082	11,633.20	30.80		11,664.00
Hotel Dieu	Windsor	2,572	223	109	1,598.20		192.70	1,405.50
TOTALS		245.303	27,970	13,154	153,925.00	6,895.05	2,043.90	158.776.15
GRAND TOTALS:								
Public General Hospitals		**378,197**	**42,586**	**24,346**	**238,480.60**	**23,953.05**	**3,053.50**	**259,380.15**
Red Cross Outposts		**6,603**	**153**	**1.015**	**4,281.60**	**2,188.95**		**6,470.55**
GRAND TOTALS incl.	**Red Cross**	**384,800**	**42,739**	**25.361**	**242.762.20**	**26,142.00**	**3,053.50**	**265,850.70**

PUBLIC HOSPITALS (Cont'd)

(Three Months' Period Ending December 31st, 1939)

TABLE No. VI.—Showing days upon which grant was paid for: (1) long-stay patients in hospitals one year or more and still in residence at December 31st, 1939; (2) indigents from unorganized territory, less amounts paid with regular monthly grants during period.

Name of Hospital	Location	Long-stay Patients				Indigents from Unorganized Territory									
								Less							
		No. of patients	Days at 60c.	Days at 10c.	Amount	No. of patients	Days at $2.00	Days at 60c.	Days at 10c.	Amount	No. of infants	Days at $1.00	Less days at 30c.	Amount	Total for Indigents
GROUP 1															
Capacity, 1 to 25 Beds					$ c.					$ c.				$ c.	$ c.
Rosedale War Memorial	Matheson					20	216	207		307.80	5	48	47	33.90	341.65
Louise Marshall	Mount Forest														
Cottage	Niagara-on-the-Lake														
General	Palmerston														
General	Penetanguishene														
General	Wingham														
Totals						20	216	207		307.80	5	48	47	33.90	341.65
GROUP 2															
Capacity, 26 to 50 Beds															
Stevenson Memorial	Alliston														
Rosamond Memorial	Almonte														
Bowmanville	Bowmanville	1		92	9.20										
Lady Minto	Chapleau					18	330	330		462.00	1	8	8	5.60	467.60
Public	Clinton														
Cobalt Municipal	Cobalt					1	7	7		9.80	1	7	7	4.90	14.70
Haldimand War Memorial	Dunnville														
Red Cross Memorial	Durham	2		184	18.40										
Groves Memorial	Fergus	1		92	9.20										
Douglas Memorial	Fort Erie														
Alexandra Marine and General	Goderich														
Misericordia	Haileybury	1		92	9.20	20	332	240		520.00	1	1	1	.70	520.70
Hanover Memorial	Hanover	1		92	9.20										
Notre Dame	Hawkesbury														
St. Paul's	Hearst					134	2,090	2,069	23	2,936.30	16	165	165	115.50	3,051.75
Alexandra	Ingersoll														
Anson General	Iroquois Falls					7	76	76		106.40	2	21	21	14.70	121.10
Kincardine General	Kincardine	1		92	9.20										
Memorial	Listowel														
General	Mattawa	1		92	9.20	7	541		56	1,076.40					1,076.35
St. Andrew's	Midland	3		276	27.60	9	198	198		277.20	3	28	28	19.60	296.80
York County	Newmarket	2		184	18.40										
Queen Victoria Memorial	North Bay					2	68	68		95.20					95.20
Lord Dufferin	Orangeville														
Willett	Paris	1		92	9.20										
Parry Sound General	Parry Sound					17	246	246		344.40	4	38	38	26.60	371.00
Charlotte Eleanor Englehart	Petrolia														
Prince Edward County	Picton														
Scott Memorial	Seaforth														
General	Sioux Lookout					5	86	86		120.40					120.40
St. Francis General	Smith's Falls	2		184	18.40										

Porcupine General	South Porcupine					2	136	136		190.40					190.40
Strathroy General	Strathroy														
St. Jean de Brebeuf	Sturgeon Falls					20	425	471		567.40	5	53	53	37.10	604.50
Soldiers' Memorial	Tillsonburg														
Lockwood Clinic	Toronto														
Mothercraft	Toronto														
County of Bruce General	Walkerton														
TOTALS		16		1,472	147.20	242	4,535	3,927	79	6,705.90	33	321	321	224.70	6,930.50
GROUP 3															
Capacity, 51 to 100 Beds															
Royal Victoria	Barrie	1		92	9.20										
Peel Memorial	Brampton														
St. Vincent de Paul	Brockville	2		184	18.40										
Cobourg General	Cobourg														
Lady Minto	Cochrane	2		184	18.40	66	1,621	1,563	56	2,298.60	13	141	141	98.70	2,397.35
General and Marine	Collingwood	1		92	9.20										
Galt General	Galt	2		184	18.40										
Kenora General	Kenora	5		460	46.00	5	568	311	257	923.70					923.70
St. Joseph's	Kenora	5		460	46.00	11	504	274	78	835.80					835.80
Ross Memorial	Lindsay														
St. Joseph's General	North Bay	1		92	9.20	11	122	122		170.80					170.80
Orillia Soldiers' Memorial	Orillia														
Oshawa General	Oshawa					1	16	16		22.40					22.40
Protestant Children's	Ottawa														
Salvation Army Grace	Ottawa														
St. Joseph's General	Parry Sound	1		92	9.20	46	698	653	1	1,004.10	8	81	76	58.20	1,062.30
Cottage	Pembroke	1		92	9.20										
Great War Memorial	Perth														
Nicholl's	Peterborough	3		276	27.60										
St. Joseph's	Peterborough														
Port Hope	Port Hope	1		92	9.20										
Victoria	Renfrew	1		92	9.20										
General	Sault Ste. Marie					13	275	275		385.00	2	24	24	16.80	401.80
Plummer Memorial	Sault Ste. Marie	3		276	27.60	5	108	108		151.20	2	20	20	14.00	165.20
Norfolk General	Simcoe	1		92	9.20										
Smith's Falls Public	Smith's Falls	4		368	36.80										
Welland County General	Welland														
TOTALS		34		3,028	302.80	158	3,912	3,322	392	5,791.60	25	266	261	187.70	5,979.35
GROUP 4															
Capacity, 101 to 200 Beds															
Belleville General	Belleville														
Brockville General	Brockville	2		184	18.40										
Public General	Chatham	2		184	18.40										
St. Joseph's	Chatham														
Cornwall General	Cornwall														
Hotel Dieu	Cornwall	2		184	18.40										
Guelph General	Guelph	1		92	9.20										
St. Joseph's	Guelph	1		92	9.20										
St. Joseph's	Hamilton														
Kitchener-Waterloo	Kitchener														
St. Mary's	Kitchener	3		276	27.60										
Niagara Falls General	Niagara Falls	3		276	27.60										
General and Marine	Owen Sound														
Pembroke General	Pembroke	3		276	27.60	1	16	16		22.40	1	12	12	8.40	30.80
General, of Port Arthur	Port Arthur	3		276	27.60	20	691	526	170	1,049.40					1,049.40
St. Joseph's General	Port Arthur	7		644	64.40	60	1,240	867	280	1,931.80	5	55	55	38.50	1,970.30

PUBLIC HOSPITALS (Cont'd)

(Three Months' Period Ending December 31st, 1939)

TABLE No. VI.—Showing days upon which grant was paid for: (1) long-stay patients in hospitals one year or more and still in residence at December 31st, 1939; (2) indigents from unorganized territory, less amounts paid with regular monthly grants during period.

Name of Hospital	Location	Long-stay Patients				Indigents from Unorganized Territory									
								Less							
		No. of patients	Days at 60c.	Days at 10c.	Amount	No. of patients	Days at $2.00	Days at 60c.	Days at 10c.	Amount	No. of infants	Days at $1.00	Less days at 30c.	Amount	Total for Indigents
Group 4 (Cont'd)					$ c.					$ c.				$ c.	$ c.
St. Catharines General	St. Catharines	1		92	9.20	1	8	8		11.20					11.20
Memorial	St. Thomas														
Sarnia General	Sarnia	1		92	9.20										
Stratford General	Stratford														
St. Mary's	Timmins	1		92	9.20	25	521	521		729.40	2	22	22	15.40	744.80
Mount Sinai	Toronto														
Salvation Army Grace	Toronto														
Toronto East General	Toronto														
Wellesley	Toronto														
Women's College	Toronto														
Metropolitan General	Windsor														
Salvation Army Grace	Windsor	3		276	27.60										
Woodstock General	Woodstock	3		276	27.60										
Totals		36		3,312	331.20	107	2,476	1,938	450	3,744.20	8	89	89	62.30	3,806.50
GROUP 5															
Capacity, 201 Beds and Over															
Brantford General	Brantford	1		92	9.20										
McKellar General	Fort William	26		2,392	239.20	32	1,172	659	53	1,943.30	4	37	37	25.90	1,969.20
Hamilton General (including Mt. Hamilton Branch)	Hamilton														
Hotel Dieu	Kingston														
Kingston General	Kingston	7		644	64.40	1	92			184.00					184.00
St. Joseph's	London														
Victoria	London	3		276	27.60										
Ottawa Civic	Ottawa					1	9	9		12.60					12.60
Ottawa General	Ottawa					1	197	120	77	314.30					314.30
St. Joseph's	Sudbury					79	1,044	1,044		1,461.60	7	73	73	51.10	1,512.70
Hospital for Sick Children	Toronto	5		460	46.00	7	566	392	82	888.60					888.60
St. Joseph's	Toronto					1	45	45		63.00					63.00
St. Michael's	Toronto	1		92	9.20	3	120	120		168.00					168.00
Toronto General	Toronto	3		276	27.60	30	1,178	989	191	1,743.50	1	12	12	8.40	1,751.85
Toronto Western	Toronto	1		92	9.20	1	22	22		30.80					30.80
Hotel Dieu	Windsor	1		92	9.20										
Totals		48		4,416	441.60	156	4,445	3,400	103	6,809.70	12	122	122	85.40	6,895.05
GRAND TOTALS:															
Public General Hospitals		134		12,228	1,222.80	683	15,584	12,794	1,324	23,359.20	83	846	840	594.00	23,953.05
Red Cross Outposts		*1		92	9.20	97	1,452	1,358	63	2,082.90	16	151	151	106.00	2,188.95
GRAND TOTALS incl. Red Cross		135		12,320	1,232.00	780	17,036	14,152	1,387	25,442.10	99	997	991	700.00	26,142.00

*Dryden.

Note:—Small differences are due to odd amounts paid on account by patients.

RED CROSS OUTPOST HOSPITALS

(Three Months' Period Ending December 31st, 1939)

TABLE No. I.—Showing the bed capacity, both adult and nursery, together with the movement of patients in each hospital separately.

Name of Hospital	Location	Bed Capacity		Patients in residence, Oct. 1st, 1939	Patients admitted during period	Live births during period	Total patients treated during period	Patients discharged during period	Deaths during period	Still-births during period	Patients in residence, Dec. 31st, 1939
		Adults and children	Nursery								
Red Cross Outpost....	Apsley..........	6	2	......	7	3	10	10	......	......	......
Red Cross Outpost....	Armstrong......	5	1	2	13	1	16	12	......	......	4
Red Cross Outpost....	Atikokan........	3	1	......	3	......	3	2	1	......	......
Red Cross Outpost....	Bancroft........	9	3	1	60	16	77	73	2	2	2
Red Cross Outpost....	Blind River......	19	3	6	53	7	66	59	......	......	7
Red Cross Outpost....	Bracebridge......	29	3	17	142	24	183	159	6	1	18
Red Cross Outpost ...	Coe Hill.........	6	1	......	4	2	6	6	......	......	......
Red Cross Outpost....	Dryden.........	32	5	17	111	23	151	136	4	2	11
Red Cross Outpost....	Emo...........	10	4	......	50	5	55	50	......	3	5
Red Cross Outpost....	Englehart.......	19	4	14	86	13	113	104	2	1	7
Red Cross Outpost....	Espanola........	13	3	6	72	6	84	66	2	......	16
Red Cross Outpost....	Haliburton......	5	2	......	18	6	24	19	1	......	4
Red Cross Outpost....	Hawk Junction...	9	2	3	28	5	36	31	......	......	5
Red Cross Outpost....	Hornepayne.....	5	2	......	41	4	45	40	1	......	4
Red Cross Outpost....	Jellicoe.........	7	1	1	45	6	52	48	......	......	4
Red Cross Outpost....	Kakabeka Falls..	4	3	......	5	2	7	7	......	1	......
Kirkland District Hosp.	Kirkland Lake...	71	25	71	650	117	838	739	26	4	73
Red Cross Outpost....	Lion's Head.....	6	4	2	9	7	18	18	......	......	......
Red Cross Outpost....	Mindemoya......	16	4	8	53	6	67	57	6	1	4
Red Cross Outpost....	Nakina..........	7	1	1	32	2	35	34	......	1	1
Lady Minto Hospital..	New Liskeard....	18	5	13	73	14	100	73	7	2	20
Red Cross Outpost....	Port Loring......	4	2	2	16	4	22	18	1	......	3
Red Cross Outpost....	Quibell..........	3	1	......	4	......	4	4	......	......	......
Red Cross Outpost....	Rainy River.....	9	3	8	49	10	67	57	2	......	8
Red Cross Outpost....	Redditt.........	4	1	......	2	......	2	2	......	......	......
Red Cross Outpost....	Richard's Landing	9	2	3	38	3	44	40	1	......	3
Red Cross Outpost....	Thessalon.......	13	2	9	61	12	82	72	1	......	9
Red Cross Outpost...	Whitney.......	5	1	3	10	4	17	17	......	......	......
Red Cross Outpost....	Wilberforce......	2	1	......	1	......	1	1	......	......	......
Red Cross Car........	....	4	......	4	12	......	16	16	......	......	......
TOTALS......	....	352	92	191	1,748	302	2,241	1,970	63	18	208

TABLE No. II.—Showing the collective stay in days of the patients admitted and infants born in the hospital; also the average stay in days each patient was under treatment.

Name of Hospital	Location	Total patients treated during period	Total patient days, adults and children, for period	Total days, infants born, for period	Total patient days, all patients, for period	Average number patients in hospital daily	Number graduate and professional staff	Number other employees, including nurses-in-training	Percentage of beds occupied during period
									%
Red Cross Outpost.........	Apsley............	10	45	29	74	....	1	1	10.1
Red Cross Outpost.........	Armstrong.........	16	102	27	129	1.4	1	1	23.4
Red Cross Outpost.........	Atikokan..........	3	11	....	11	....	1	1	3.0
Red Cross Outpost.........	Bancroft..........	77	487	161	648	7.0	3	2	58.7
Red Cross Outpost.........	Blind River........	66	489	69	558	6.1	3	3	27.6
Red Cross Outpost.........	Bracebridge........	183	1,455	281	1,736	18.9	6	5	59.0
Red Cross Outpost.........	Coe Hill...........	6	24	18	42	....	1	2	6.5
Red Cross Outpost.........	Dryden...........	151	1,072	264	1,336	14.5	4	4	39.2
Red Cross Outpost.........	Emo..............	55	479	66	545	5.9	3	3	42.3
Red Cross Outpost.........	Englehart.........	113	723	136	859	9.3	3	3	40.6
Red Cross Outpost.........	Espanola..........	84	840	55	895	9.7	4	3	60.8
Red Cross Outpost.........	Haliburton........	24	105	58	163	1.8	1	1	25.3
Red Cross Outpost.........	Hawk Junction.....	36	281	56	337	3.7	2	2	33.3
Red Cross Outpost.........	Hornepayne........	45	141	34	175	1.9	1	1	27.2
Red Cross Outpost.........	Jellicoe...........	52	287	50	337	3.7	1	2	45.8
Red Cross Outpost.........	Kakabeka Falls....	7	29	16	45	....	1	1	7.0
Kirkland District Hospital...	Kirkland Lake.....	838	5,999	1,101	7,100	77.2	29	32	80.4
Red Cross Outpost.........	Lion's Head.......	18	60	54	114	1.2	1	1	12.4
Red Cross Outpost.........	Mindemoya........	67	427	67	494	5.4	4	3	26.8
Red Cross Outpost.........	Nakina...........	35	89	20	109	1.2	1	2	14.8
Lady Minto Hospital.......	New Liskeard......	100	777	218	995	10.8	3	3	47.0
Red Cross Outpost.........	Port Loring........	22	120	40	160	1.7	1	1	29.0
Red Cross Outpost.........	Quibell...........	4	4	....	4	....	1	1	1.1
Red Cross Outpost.........	Rainy River.......	67	546	101	647	7.0	3	3	58.6
Red Cross Outpost.........	Redditt...........	2	29	....	29	....	1	1	6.3
Red Cross Outpost.........	Richard's Landing..	44	274	30	304	3.3	2	2	30.0
Red Cross Outpost.........	Thessalon.........	82	680	119	799	8.7	3	3	57.9
Red Cross Outpost.........	Whitney..........	17	94	38	132	1.4	1	1	23.9
Red Cross Outpost.........	Wilberforce........	1	5	....	5	....	1	1	1.8
Red Cross Car............	....	16	47	....	47	....	1	1	12.8
TOTALS..........	....	2,241	15,721	3,108	18,829	204.7	88	90	46.1

RED CROSS OUTPOST HOSPITALS (Cont'd)

(Three Months' Period Ending December 31st, 1939)

TABLE No. III.—Showing the cost of operating the hospitals, and the average daily cost of each patient.

Name of Hospital	Location	Total collective days' stay of all patients	Percentage of service devoted to hospital	Cost of dietaries	Other operating costs	Total operating cost	Average daily per capita cost*
			%	$ c.	$ c.	$ c.	$ c.
Red Cross Outpost	Blind River	558	100	281.01	1,601.91	1,882.92	3.37
Red Cross Outpost	Bracebridge	1,736	100	974.71	4,638.89	5,613.60	3.23
Red Cross Outpost	Dryden	1,336	100	613.84	2,526.42	3,140.26	2.35
Red Cross Outpost	Emo	545	100	431.76	2,259.03	2,690.79	4.94
Red Cross Outpost	Englehart	859	100	361.97	1,693.86	2,055.83	2.39
Red Cross Outpost	Espanola	895	100	426.60	2,393.71	2,820.31	3.15
Red Cross Outpost	Hawk Junction	337	100	177.63	1,121.52	1,299.15	3.85
Red Cross Outpost	Jellicoe	337	100	264.11	856.66	1,120.77	3.32
Kirkland District Hosp.†	Kirkland Lake	6,559	100	3,982.21	17,682.93	21,665.14	3.30
Red Cross Outpost	Mindemoya	494	100	327.15	2,020.44	2,347.59	4.75
Lady Minto Hospital	New Liskeard	995	100	652.81	2,994.23	3,647.04	3.66
Red Cross Outpost	Rainy River	647	100	268.87	1,417.65	1,686.52	2.61
Red Cross Outpost	Thessalon	799	100	298.90	1,972.89	2,271.79	2.84
TOTALS		16,097	100	9,061.57	43,180.14	52,241.71	3.25
The following Outposts maintain Public Health and Visiting Nursing Service throughout the District. The total costs shown include this service.							
Red Cross Outpost	Apsley	74	28	128.98	638.68	767.66	2.90
Red Cross Outpost	Armstrong	129	75	211.94	634.05	845.99	4.92
Red Cross Outpost	Atikokan	11	17	124.14	554.62	678 76	10.49
Red Cross Outpost	Bancroft	648	84	267.73	1,397.39	1,665.12	2.16
Red Cross Outpost	Coe Hill	42	52	109.83	692.27	802.10	9.93
Red Cross Outpost	Haliburton	163	59	118.29	725.33	843.62	3.05
Red Cross Outpost	Hornepayne	175	79	197.05	701.06	898.11	4.05
Red Cross Outpost	Kakabeka Falls	45	22	101.92	674.61	776.53	3.79
Red Cross Outpost	Lion's Head	114	62	100.54	839.90	940.44	5.11
Red Cross Outpost	Nakina	109	59	170.41	870.44	1,040.85	5.63
Red Cross Outpost	Port Loring	160	61	156.70	733.20	889.90	3.39
Red Cross Outpost	Quibell	4	11	95.96	502.64	598.60	16.46
Red Cross Outpost	Redditt	29	14	124.09	612.92	737.01	3.56
Red Cross Outpost	Richard's Landing	304	59	268.95	1,429.74	1,698.69	3.30
Red Cross Outpost	Whitney	132	58	116.74	590.79	707.53	3.11
Red Cross Outpost	Wilberforce	5	12	80.72	620.11	700.83	16.82
Red Cross Car		47	30	138.48	759.50	897.98	5.73
TOTALS		2,191	51	2,512.47	12,977.25	15,489.72	3.61
Grand Totals		**18,288**	**89**	**11,574.04**	**56,157.39**	**67,731.43**	**3.29**

†Does not include 541 days for patients cared for in Cairns Hospital (overflow). *Hospital service only.

TABLE No. IV.—Showing the sources of income of hospitals.

Name of Hospital	Location	Income from patients for treatment	Income from municipalities for patients' treatment	Income from donations, bequests and other gratuitous sources	Total income from all sources other than Government grants
		$ c.	$ c.	$ c.	$ c.
Red Cross Outpost	Apsley	146.60		64.20	210.80
Red Cross Outpost	Armstrong	214.75		60.00	274.75
Red Cross Outpost	Atikokan	77.15		4.20	81.35
Red Cross Outpost	Bancroft	1,101.21	139.75	75.14	1,316.10
Red Cross Outpost	Blind River	1,114.00	11.25		1,125.25
Red Cross Outpost	Bracebridge	3,930.42	610.85	791.41	5,332.68
Red Cross Outpost	Coe Hill	109.55		38.03	147.58
Red Cross Outpost	Dryden	1,616.71	450.85	252.78	2,320.34
Red Cross Outpost	Emo	1,083.30	50.75	293.55	1,427.60
Red Cross Outpost	Englehart	1,632.20	71.50	16.85	1,720.55
Red Cross Outpost	Espanola	792.75	113.75		906.50
Red Cross Outpost	Haliburton	280.05	11.75	87.51	379.31
Red Cross Outpost	Hawk Junction	829.85		442.00	1,271.85
Red Cross Outpost	Hornepayne	490.45		27.69	518.14
Red Cross Outpost	Jellicoe	927.70		65.65	993.35
Red Cross Outpost	Kakabeka Falls	196.55	2.00	43.40	241.95
Kirkland District Hospital	Kirkland Lake	26,288.62	2,251.70	2,825.71	31,366.03
Red Cross Outpost	Lion's Head	263.29		150.44	413.73
Red Cross Outpost	Mindemoya	1,075.08	68.25	221.28	1,364.61
Red Cross Outpost	Nakina	322.75		174.93	497.68
Lady Minto Hospital	New Liskeard	2,146.41	84.00	415.10	2,645.51
Red Cross Outpost	Port Loring	287.06		78.19	365.25
Red Cross Outpost	Quibell	31.15		15.15	46.30
Red Cross Outpost	Rainy River	816.10	60.25	14.79	891.14
Red Cross Outpost	Redditt	69.15		87.62	156.77
Red Cross Outpost	Richard's Landing	752.40	27.30	5.37	785.07
Red Cross Outpost	Thessalon	1,663.25	40.00	186.80	1,890.05
Red Cross Outpost	Whitney	108.55			108.55
Red Cross Outpost	Wilberforce	67.21		210.65	277.86
Red Cross Car		193.25		271.01	464.26
TOTALS		48,627.51	3,993.95	6,919.45	59,540.91

RED CROSS OUTPOST HOSPITALS (Cont'd)

(Three Months' Period Ending December 31st, 1939)

TABLE No. V.—Showing the basis on which statutory aid is granted.

Name of Hospital	Location	Days at 60c.	Days at 10c.	Infants born, days at 30c.	Total per diem grant	Grant for indigents from unorganized territory	Total Government grant
					$ c.	$ c.	$ c.
Red Cross Outpost	Apsley	15		14	13.20		13.20
Red Cross Outpost	Armstrong	26			15.60		15.60
Red Cross Outpost	Atikokan						
Red Cross Outpost	Bancroft	190		74	136.20		136.20
Red Cross Outpost	Blind River	150		31	99.30	95.90	195.20
Red Cross Outpost	Bracebridge	862		97	546.30		546.30
Red Cross Outpost	Coe Hill	14		13	12.30		12.30
Red Cross Outpost	Dryden	633	92	155	435.50	369.65	805.15
Red Cross Outpost	Emo	201		24	127.80	15.40	143.20
Red Cross Outpost	Englehart	373		70	244.80	280.70	525.50
Red Cross Outpost	Espanola	376		4	226.80	410.20	637.00
Red Cross Outpost	Haliburton	13		13	11.70		11.70
Red Cross Outpost	Hawk Junction	37		17	27.30	15.40	42.70
Red Cross Outpost	Hornepayne	10			6.00		6.00
Red Cross Outpost	Jellicoe	23		10	16.80	21.00	37.80
Red Cross Outpost	Kakabeka Falls	9		6	7.20		7.20
Kirkland District Hospital	Kirkland Lake	2,078		213	1,310.70	290.60	1,601.30
Red Cross Outpost	Lion's Head	22		21	19.50		19.50
Red Cross Outpost	Mindemoya	264		43	171.30	32.20	203.50
Red Cross Outpost	Nakina	2			1.20		1.20
Lady Minto Hospital	New Liskeard	128		29	85.50	58.80	144.30
Red Cross Outpost	Port Loring	76		30	54.60	22.60	77.20
Red Cross Outpost	Quibell	1			.60		.60
Red Cross Outpost	Rainy River	467	61	57	303.40	421.10	724.50
Red Cross Outpost	Redditt	24			14.40	33.60	48.00
Red Cross Outpost	Richard's Landing	80		15	52.50		52.50
Red Cross Outpost	Thessalon	402		40	253.20	37.80	291.00
Red Cross Outpost	Whitney	72		39	54.90	84.00	138.90
Red Cross Outpost	Wilberforce						
Red Cross Car		55			33.00		33.00
TOTALS		6,603	153	1,015	4,281.60	2,188.95	6,470.55

TABLE No. VI.—Showing days upon which grant was paid for indigents from unorganized territory, less amounts paid with regular monthly grants during period.

Name of Hospital	Location	No. of patients	Days at $2.00	Less		Amount	No. of infants	Days at $1.00	Less days at 30c.	Amount	TOTAL FOR INDIGENTS
				Days at 60c.	Days at 10c.						
						$ c.				$ c.	$ c.
Red Cross Outpost	Apsley										
Red Cross Outpost	Armstrong										
Red Cross Outpost	Atikokan										
Red Cross Outpost	Bancroft										
Red Cross Outpost	Blind River	6	64	64		89.60	1	9	9	6.30	95.90
Red Cross Outpost	Bracebridge										
Red Cross Outpost	Coe Hill										
Red Cross Outpost	Dryden	21	238	223	2	342.00	4	39	38	27.60	369.65
Red Cross Outpost	Emo	1	11	11		15.40					15.40
Red Cross Outpost	Englehart	15	181	181		253.40	4	39	39	27.30	280.70
Red Cross Outpost	Espanola	21	293	293		410.20					410.20
Red Cross Outpost	Haliburton										
Red Cross Outpost	Hawk Junction	1	11	11		15.40					15.40
Red Cross Outpost	Hornepayne										
Red Cross Outpost	Jellicoe	1	10	10		14.00	1	10	10	7.00	21.00
Red Cross Outpost	Kakabeka Falls										
Kirkland Dist. Hosp.	Kirkland Lake	13	193	180		278.00	2	18	18	12.60	290.60
Red Cross Outpost	Lion's Head										
Red Cross Outpost	Mindemoya	2	18	18		25.20	1	10	10	7.00	32.20
Red Cross Outpost	Nakina										
Lady Minto Hosp.	New Liskeard	4	42	42		58.80					58.80
Red Cross Outpost	Port Loring	2	14	9		22.60					22.60
Red Cross Outpost	Quibell										
Red Cross Outpost	Rainy River	3	279	218	61	421.10					421.10
Red Cross Outpost	Redditt	1	24	24		33.60					33.60
Red Cross Outpost	Richard's Landing										
Red Cross Outpost	Thessalon	2	27	27		37.80					37.80
Red Cross Outpost	Whitney	4	47	47		65.80	3	26	26	18.20	84.00
Red Cross Outpost	Wilberforce										
Red Cross Car											
TOTALS		97	1,452	1,358	63	2,082.90	16	151	151	106.00	2,188.95

CONVALESCENT HOSPITALS

(Three Months' Period Ending December 31st, 1939)

TABLE No. I.—Showing the bed capacity, together with the movement of patients, in each hospital separately.

Name of Hospital	Location	Bed capacity	Patients in residence, Oct. 1st, 1939	Patients admitted during period	Total patients treated during period	Patients discharged during period	Deaths during period	Patients in residence, Dec. 31st, 1939
Children's Convalescent Hospital*	Burlington	33	......	......	......	......	......	......
Blue Mountain Camp for Crippled Children*	Collingwood	45	......	......	......	......	......	......
St. John's Convalescent Hospital	Newtonbrook	64	47	154	201	140	1	60
Civitan Convalescent Camp*	Toronto	29	......	......	......	......	......	......
Hillcrest Convalescent Hospital	Toronto	43	18	82	100	75	1	24
I.O.D.E. Preventorium	Toronto	128	68	110	178	102	......	76
East Windsor Convalescent Hospital	Windsor	8	8	12	20	11	......	9
TOTALS	......	350	141	358	499	328	2	169

TABLE No. II.—Showing the collective stay in days of the patients admitted to the hospital; also the average stay in days each patient was under treatment.

Name of Hospital	Location	Total patients treated during period	Total days' stay for period	Average number patients in hospital daily	Number graduate staff	Number all other employees
Children's Convalescent Hospital*	Burlington	......	......	......	......	......
Blue Mountain Camp for Crippled Children*	Collingwood	......	......	......	......	......
St. John's Convalescent Hospital	Newtonbrook	201	5,180	56.3	9	30
Civitan Convalescent Camp*	Toronto	......	......	......	......	......
Hillcrest Convalescent Hospital	Toronto	100	2,145	23.3	6	7
I.O.D.E. Preventorium	Toronto	178	7,192	78.2	7	43
East Windsor Convalescent Hospital	Windsor	20	805	8.7	2	3
TOTALS	......	499	15,322	166.5	24	83

TABLE No. III.—Showing the cost of operating the hospitals, and the average daily cost of each patient.

Name of Hospital	Location	Total collective days' stay of all patients	Cost of dietaries	Other operating costs	Total operating cost	Average daily per capita cost
			$ c.	$ c.	$ c.	$ c.
Children's Convalescent Hospital*	Burlington	......	......	......	......	......
Blue Mountain Camp for Crippled Children*	Collingwood	......	......	......	......	......
St. John's Convalescent Hospital	Newtonbrook	5,180	3,130.50	8,804.60	11,935.10	2.30
Civitan Convalescent Camp*	Toronto	......	......	......	......	......
Hillcrest Convalescent Hospital	Toronto	2,145	1,145.89	3,427.01	4,572.90	2.13
I.O.D.E. Preventorium	Toronto	7,192	3,584.17	12,325.09	15,909.26	2.21
East Windsor Convalescent Hospital	Windsor	805	252.66	711.42	964.08	1.20
TOTALS	......	15,322	8,113.22	25,268.12	33,381.34	2.18

*These camps operate in summer months only.

CONVALESCENT HOSPITALS (Cont'd)

(Three Months' Period Ending December 31st, 1939)

TABLE No. IV.—Showing the sources of income of hospitals.

Name of Hospital	Location	Income from patients for treatment	Income from municipalities for patients' treatment	Income from investments, endowments, property, miscellaneous	Income from donations, bequests and other gratuitous sources	Total income from all sources other than Government grants
		$ c.	$ c.	$ c.	$ c.	$ c.
Children's Convalescent Hospital*	Burlington	....	....	....	....	....
Blue Mountain Camp for Crippled Children*	Collingwood	....	....	....	....	....
St. John's Convalescent Hospital	Newtonbrook	4,652.11	4,568.75	....	1,125.67	10,346.53
Civitan Convalescent Camp*	Toronto	....	....	....	....	....
Hillcrest Convalescent Hospital	Toronto	1,745.83	2,182.50	280.93	100.00	4,309.26
I.O.D.E. Preventorium	Toronto	752.58	7,972.50	4,365.00	1,075.00	14,165.08
East Windsor Convalescent Hospital	Windsor	17.50	986.25	1.10	....	1,004.85
TOTALS	....	7,168.02	15,710.00	4,647.03	2,300.67	29,825.72

TABLE No. V.—Showing the basis on which statutory aid is granted.

Name of Hospital	Location	Days at 40c.	Days at 10c.	Amount	Grant for indigents from unorganized territory	Total Government grant
				$ c.	$ c.	$ c.
Children's Convalescent Hospital*	Burlington	....	....	....	....	....
Blue Mountain Camp for Crippled Children*	Collingwood	....	....	....	....	....
St. John's Convalescent Hospital	Newtonbrook	3,273	....	1,309.20	....	1,309.20
Civitan Convalescent Camp*	Toronto	....	....	....	....	....
Hillcrest Convalescent Hospital	Toronto	1,433	....	573.20	....	573.20
I.O.D.E. Preventorium	Toronto	5,736	212	2,315.60	....	2,315.60
East Windsor Convalescent Hospital	Windsor	214	....	85.60	....	85.60
TOTALS	....	10,656	212	4,283.60	....	4,283.60

*These camps operate in summer months only.

HOSPITALS FOR INCURABLES

(Three Months' Period Ending December 31st, 1939)

TABLE No. I.—Showing the bed capacity, together with the movement of patients, in each hospital separately.

Name of Hospital	Location	Bed capacity	Patients in residence, Oct. 1st, 1939	Patients admitted during period	Total patients treated during period	Patients discharged during period	Deaths during period	Patients in residence, Dec. 31st, 1939
St. Peter's Infirmary	Hamilton	100	83	21	104	3	10	91
Parkwood Hospital for Incurables	London	140	134	22	156	7	11	138
Perley Home for Incurables	Ottawa	90	86	4	90	2	2	86
St. Vincent Hospital for Incurables	Ottawa	205	184	43	227	12	31	184
Home for Incurable Children	Toronto	40	40	1	41	1	......	40
Mercy Hospital for Incurables	Toronto	165	164	24	188	9	14	165
Toronto Hospital for Incurables	Toronto	385	377	60	437	16	39	382
East Windsor Hospital for Incurables	Windsor	31	33	5	38	3	2	33
TOTALS		1,156	1,101	180	1,281	53	109	1,119

TABLE No. II.—Showing the collective stay in days of the patients admitted to the hospital; also the average stay in days each patient was under treatment.

Name of Hospital	Location	Total patients treated during period	Total collective days' stay of patients for period	Average number patients in hospital daily	Number graduate and professional staff	Number other employees, including nurses-in-training	Percentage of beds occupied during period
							%
St. Peter's Infirmary	Hamilton	104	8,079	87.8	10	28	87.8
Parkwood Hospital for Incurables	London	156	12,695	138.0	25	49	98.6
Perley Home for Incurables	Ottawa	90	7,965	86.6	9	44	96.2
St. Vincent Hospital for Incurables	Ottawa	227	17,374	188.8	10	112	92.1
Home for Incurable Children	Toronto	41	3,681	40.0	24	32	100.0
Mercy Hospital for Incurables	Toronto	188	15,156	164.7	63	146	99.8
Toronto Hospital for Incurables	Toronto	437	35,088	381.4	3	23	99.1
East Windsor Hospital for Incurables	Windsor	38	3,101	33.7	2	5	108.7
TOTALS		1,281	103,139	1,121.1	146	439	97.0

TABLE No. III.—Showing the cost of operating the hospitals, and the average daily cost of each patient.

Name of Hospital	Location	Total collective days' stay of all patients	Interest and capital charges	Total cost of dietaries	Other operating costs	Total operating cost	Average daily per capita cost
			$ c.	$ c.	$ c.	$ c.	$ c.
St. Peter's Infirmary	Hamilton	8,079	150.00	2,693.67	10,296.66	12,990.33	1.61
Parkwood Hospital for Incurables	London	12,695	....	4,405.73	14,692.78	19,098.51	1.50
Perley Home for Incurables	Ottawa	7,965	....	2,209.26	11,125.61	13,334.87	1.67
St. Vincent Hospital for Incurables	Ottawa	17,374	....	6,370.65	17,488.13	23,858.78	1.37
Home for Incurable Children	Toronto	3,681	....	1,357.09	5,466.68	6,823.77	1.85
Mercy Hospital for Incurables	Toronto	15,156	3,247.77	5,220.58	18,468.68	23,689.26	1.56
Toronto Hospital for Incurables	Toronto	35,088	....	16,164.31	46,810.95	62,975.26	1.79
East Windsor Hosp. for Incurables	Windsor	3,101	....	968.41	2,740.42	3,708.83	1.20
TOTALS		103,139	3,397.77	39,389.70	127,089.91	166,479.61	1.61

HOSPITALS FOR INCURABLES (Cont'd)

(Three Months' Period Ending December 31st, 1939)

TABLE No. IV.—Showing the sources of income of hospitals.

Name of Hospital	Location	Income from patients for treatment	Income from municipalities for patients' treatment	Income from investments, endowments, property, miscellaneous	Income from donations, bequests and other gratuitous sources	Total income from all sources other than Government grants
		$ c.	$ c.	$ c.	$ c.	$ c.
St. Peter's Infirmary	Hamilton	5,258.93	8,071.63	....	....	13,330.56
Parkwood Hospital for Incurables	London	8,721.48	10,312.55	957.60	27.15	20,018.78
Perley Home for Incurables	Ottawa	5,322.08	6,865.02	502.13	265.00	12,954.23
St. Vincent Hospital for Incurables	Ottawa	5,999.92	19,677.25	18.44	3,296.87	28,992.48
Home for Incurable Children	Toronto	348.00	1,245.50	2,085.74	4,820.86	8,500.10
Mercy Hospital for Incurables	Toronto	706.50	21,606.00	....	....	22,312.50
Toronto Hospital for Incurables	Toronto	6,844.61	46,338.00	6,737.44	10,472.37	70,392.42
East Windsor Hospital for Incurables	Windsor	....	3,994.00	4.22	....	3,998.22
TOTALS	....	33,201.52	118,109.95	10,305.57	18,882.25	180,499.29

TABLE No. V.—Showing the basis on which statutory aid is granted.

Name of Hospital	Location	Days at 40c.	Amount	Grant for indigents from unorganized territory	Total Government grant
			$ c.	$ c.	$ c.
St. Peter's Infirmary	Hamilton	6,731	2,692.40	147.20	2,839.60
Parkwood Hospital for Incurables	London	12,124	4,849.60	....	4,849.60
Perley Home for Incurables	Ottawa	7,162	2,864.80	427.20	3,292.00
St. Vincent Hospital for Incurables	Ottawa	16,873	6,749.20	748.80	7,498.00
Home for Incurable Children	Toronto	3,681	1,472.40	46.00	1,518.40
Mercy Hospital for Incurables	Toronto	15,064	6,025.60	164.80	6,190.40
Toronto Hospital for Incurables	Toronto	33,728	13,491.20	736.00	14,227.20
East Windsor Hospital for Incurables	Windsor	3,101	1,240.40	....	1,240.40
TOTALS	....	98,464	39,385.60	2,270.00	41,655.60

TABLE No. VI.—Showing days upon which grant was paid for indigents from unorganized territory, less amounts paid with regular monthly grants during year.

Name of Hospital	Location	Number of patients	Days at $2.00	Less days at 40c.	Amount
					$ c.
St. Peter's Infirmary	Hamilton	1	92	92	147.20
Parkwood Hospital for Incurables	London	....	....	....	....
Perley Home for Incurables	Ottawa	4	267	267	427.20
St. Vincent Hospital for Incurables	Ottawa	6	468	468	748.80
Home for Incurable Children	Toronto	1	*92	....	46.00
Mercy Hospital for Incurables	Toronto	2	103	103	164.80
Toronto Hospital for Incurables	Toronto	5	460	460	736.00
East Windsor Hospital for Incurables	Windsor	....	....	....	....
TOTALS	....	19	1,482	1,390	2,270.00

*A rate of 50c. a day has been arranged.

SANATORIA FOR CONSUMPTIVES

(Three Months' Period Ending December 31st, 1939)

TABLE No. I.—Showing the bed capacity, together with the movement of patients, in each institution separately.

Name of Sanatoria	Location	Bed Complement		Patients in residence, Oct. 1st, 1939	Patients admitted during period	Live births during period	Total patients treated during period	Patients discharged during period	Deaths during period	Patients in residence, Dec. 31st, 1939
		Adults' beds	Children's cots							
Brant Sanatorium	Brantford	77	25	64	6	....	70	14	2	54
St. Lawrence Sanatorium	Cornwall	112	....	112	15	....	127	13	3	111
Fort William Sanatorium	Fort William	186	1	161	48	....	209	35	8	166
Muskoka Hosp. for Consumptives	Gravenhurst	440	....	413	70	....	483	52	15	416
St. Mary's-on-the-Lake Sanatorium	Haileybury	106	....	104	12	....	116	21	2	93
Mountain Sanatorium	Hamilton	688	14	682	141	2	825	135	22	668
Kingston Sanatorium	Kingston	47	....	46	15	....	61	14	1	46
Freeport Sanatorium	Kitchener	140	8	144	33	....	177	23	4	150
Queen Alexandra Sanatorium	London	577	34	545	123	....	668	83	18	567
Royal Ottawa Sanatorium	Ottawa	182	28	196	50	....	246	32	16	198
Niagara Peninsula Sanatorium	St. Catharines	86	....	82	32	....	114	30	1	83
Toronto Hosp. for Consumptives and Queen Mary. H. for Con. Children	Weston	626	50	603	117	1	721	100	19	602
Essex County Sanatorium	Windsor	140	28	155	30	....	185	23	6	156
TOTALS		3,407	188	3,307	692	3	4,002	575	117	3,310

TABLE No. II.—Showing the collective stay in days of the patients admitted to and infants born in the institutions; also the average stay in days each patient was under treatment.

Name of Sanatoria	Location	Total patients treated during period	Total collective days' stay of patients for period	Average days' stay of each patient for period	Average number patients in sanatoria daily	Number graduate and professional staff		Number all other employees	Percentage of beds occupied during period
						Full time	Part time		%
Brant Sanatorium	Brantford	70	5,513	78.8	59.9	10	2	34	58.7
St. Lawrence Sanatorium	Cornwall	127	10,324	81.3	112.2	18	......	38	100.2
Fort William Sanatorium	Fort William	209	14,898	71.3	161.9	21	......	40	87.5
Muskoka Hospital for Consumptives	Gravenhurst	483	38,279	79.3	416.1	53	......	199	94.6
St. Mary's-on-the-Lake Sanatorium	Haileybury	116	9,406	81.1	102.2	19	......	37	96.4
Mountain Sanatorium	Hamilton	825	62,163	75.3	675.7	85	3	307	93.6
Kingston Sanatorium	Kingston	61	4,262	69.9	46.3	7	1	14	98.5
Freeport Sanatorium	Kitchener	177	13,679	77.3	148.7	19	3	32	100.5
Queen Alexandra Sanatorium	London	668	50,879	77.0	553.0	70	1	256	90.5
Royal Ottawa Sanatorium	Ottawa	246	18,149	73.8	197.3	30	2	60	93.1
Niagara Peninsula Sanatorium	St. Catharines	114	7,444	65.3	80.9	14	2	29	94.1
Toronto Hospital for Consumptives and Queen Mary Hosp. for Con. Children	Weston	721	55,432	76.9	602.5	123	2	290	89.3
Essex County Sanatorium	Windsor	185	14,297	77.3	155.4	19	1	58	96.5
TOTALS		4,002	304,725	76.1	3,312.2	488	17	1,394	92.1

TABLE No. III.—Showing the cost of operating the sanatoria, and the average daily cost of each patient.

Name of Sanatoria	Location	Total collective days' stay of all patients	Cost of dietary supplies	Other operating costs, excluding provision for bad debts and depreciation	Total operating cost, excluding provision for bad debts and depreciation	Average daily per capita cost, excluding provision for bad debts and depreciat'n	Interest and exchange on long-term loans
			$ c.	$ c.	$ c.	$ c.	$ c.
Brant Sanatorium	Brantford	5,513	2,941.42	11,471.45	14,412.87	2.61	....
St. Lawrence Sanatorium	Cornwall	10,324	6,340.82	15,237.38	21,578.20	2.09	....
Fort William Sanatorium	Fort William	14,898	7,555.35	17,406.54	24,961.89	1.68	2,023.74
Muskoka Hosp. for Consumpt's.	Gravenhurst	38,279	23,310.48	69,479.37	92,789.85	2.42	....
St. Mary's-on-the-Lake San.	Haileybury	9,406	5,534.31	11,728.87	17,263.18	1.84	4,993.86
Mountain Sanatorium	Hamilton	62,163	34,692.90	102,649.97	137,342.87	2.21	....
Kingston Sanatorium	Kingston	4,262	2,301.48	6,733.96	9,035.44	2.12	....
Freeport Sanatorium	Kitchener	13,679	6,537.45	16,847.50	23,384.95	1.71	593.14
Queen Alexandra Sanatorium	London	50,879	28,616.88	86,424.44	115,041.32	2.26	....
Royal Ottawa Sanatorium	Ottawa	18,149	8,307.15	34,871.49	43,178.64	2.38	2,050.00
Niagara Peninsula Sanatorium	St. Catharines	7,444	4,938.14	16,725.42	21,663.56	2.91	....
Toronto H. for Consumptives and Queen Mary H. for Con. Child.	Weston	55,432	24,306.20	104,992.06	129,298.26	2.33	......
Essex County Sanatorium	Windsor	14,297	7,329.53	21,535.12	28,864.65	2.02	....
TOTALS		304,725	162,712.11	516,103.57	678,815.68	2.23	9,660.74

SANATORIA FOR CONSUMPTIVES (Cont'd)

(Three Months' Period Ending December 31st, 1939)

TABLE No. IV.—Showing the sources of income of sanatoria.

Name of Sanatoria	Location	Income from patients and their agencies for maintenance in Sanatoria	Income from municipalities	Sundry income, including Christmas seals	Income from out-patient service	Income from earnings on investments, endowments, etc.	Total income from all sources other than Governm't grant and Trustees' funds	*Trustees' funds received during period
		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Brant Sanatorium	Brantford	802.68	....	....	191.50	1,491.19	2,485.37	2,551.95
St. Lawrence Sanatorium	Cornwall	506.93	....	1,383.34	390.00	....	2,280.27	1,795.00
Fort William Sanatorium	Fort William.	6,252.88	....	.25	557.50	....	6,810.63	50.00
Muskoka Hospital for Consumptives	Gravenhurst.	7,519.82	14.53	4,623.73	509.00	17,860.60	30,527.68	1,002.00
St. Mary's-on-the-Lake San.	Haileybury	1,910.00	....	2,563.57	184.00	....	4,657.57	508.00
Mountain Sanatorium	Hamilton	11,213.14	93.37	5,439.95	2,117.00	2,249.21	21,112.67	7,077.65
Kingston Sanatorium	Kingston	2,010.50	....	....	....	....	2,010.50	....
Freeport Sanatorium	Kitchener	1,114.43	593.14	1,120.59	657.50	18.89	3,504.55	89.00
Queen Alexandra Sanatorium	London	12,443.89	....	135.47	1,161.50	1,158.78	14,899.64	25.00
Royal Ottawa Sanatorium	Ottawa	2,385.41	....	482.89	1,003.16	....	3,871.46	....
Niagara Peninsula Sanatorium.	St. Catharines	1,951.41	1,225.00	923.90	1,057.00	944.33	6,101.64	1,477.50
Toronto Hosp. for Con. and Queen Mary H. for Con. Chil.	Weston	8,795.60	126.59	4,322.07	228.45	5,894.75	19,367.46	1,615.47
Essex County Sanatorium	Windsor	739.89	....	26.85	731.00	....	1,497.74	....
TOTALS	....	57,646.58	2,052.63	21,022.61	8,787.61	29,617.75	119,127.18	16,191.57

*NOTE:—Trustees' funds represent legacies, bequests, donations, etc., which may be used for capital purposes, invested in semi-permanent investments or used for general purposes at the discretion of the sanatorium board of directors.

TABLE No. V.—Showing the basis on which statutory aid is granted.

Name of Sanatoria	Location	Days at $2.00	Infant days at $1.00	Amount	Adjustments and Deductions		Total Government grant
					CREDIT	DEBIT	
				$ c.	$ c.	$ c.	$ c.
Brant Sanatorium	Brantford	5,234	....	10,468.00	....	....	10,468.00
St. Lawrence Sanatorium	Cornwall	10,232	....	20,464.00	....	....	20,464.00
Fort William Sanatorium	Fort William.	12,619	....	25,238.00	....	....	25,238.00
Muskoka Hosp. for Consumptives	Gravenhurst.	37,713	....	75,426.00	....	18.00	75,408.00
St. Mary's-on-the-Lake Sanatorium	Haileybury	8,791	....	17,582.00	....	74.00	17,508.00
Mountain Sanatorium	Hamilton	59,557	120	119,234.00	....	218.18	119,015.82
Kingston Sanatorium	Kingston	3,739	....	7,478.00	....	....	7,478.00
Freeport Sanatorium	Kitchener	13,395	....	26,790.00	....	948.00	25,842.00
Queen Alexandra Sanatorium	London	47,497	....	94,994.00	24.20	....	95,018.20
Royal Ottawa Sanatorium	Ottawa	18,057	....	36,114.00	....	238.08	35,875.92
Niagara Peninsula Sanatorium	St. Catharines	7,168	....	14,336.00	....	....	14,336.00
Toronto Hosp. for Consumptives and Queen Mary H. for Con. Children.	Weston	53,150	83	106,383.00	98.00	....	106,481.00
Essex County Sanatorium	Windsor	14,148	....	28,296.00	....	....	28,296.00
TOTALS	....	291,300	203	582,803.00	122.20	1,496.26	581,428.94

Annual Report

UPON THE

Prisons and Reformatories

OF THE

PROVINCE OF ONTARIO

FOR THE YEAR ENDING 31st MARCH

1941

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO
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1941

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TO THE HONOURABLE ALBERT MATTHEWS,
Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

The undersigned has the honour to present the Annual Report upon the Prisons and Reformatories of the Province of Ontario for the year ending 31st March, 1941.

Respectfully submitted,

H. C. NIXON,
Minister.

Honourable Harry Corwin Nixon,
Provincial Secretary of Ontario.

Sir:

Last year in presenting to you the reports on this branch of the service, I reported a small decrease in the number of persons committed and those sentenced. For the year ended March 31, 1941, on which I am now presenting statistics there was a further reduction of 2,200 and 916 respectively. Thus for the two years there has been a decrease from the all time high of 1939 of eleven per cent in the number committed and eight per cent in the number sentenced. The following table shows the number in all the years from 1913 forward.

Year ending September 30th	Approximate population of Ontario.	Persons Committed for Trial	Persons Sentenced to Prison
1913	2,767,000	19,250	11,897
1914	2,770,000	22,777	14,801
1915	2,788,000	20,337	12,663
1916	2,728,000	16,100	9,364
1917	2,750,000	12,445	7,867
1918	2,769,000	13,242	7,874
1919	2,821,000	13,096	7,904
1920	2,849,000	14,756	8,643
1921	2,934,000	16,800	9,790
1922	3,101,000	14,800	9,312
1923	3,035,000	13,995	8,036
1924	3,075,000	15,879	8,834
1925	3,115,000	18,023	11,306
1926	3,151,000	18,033	11,371
1927	3,176,000	20,578	13,927
1928	3,241,000	23,786	16,358
1929	3,285,000	25,980	17,626
1930	3,366,000	29,126	21,421
1931	3,432,000	26,358	18,127
1932	3,479,000	25,235	15,804
1933	3,510,000	22,484	14,538
1934	3,540,000	20,916	13,509
Year ending March 31, 1936	3,690,000	24,053	16,356
1937	3,711,000	27,592	20,618
1938	3,731,000	30,345	23,649
1939	3,750,000	34,914	27,926
1940	3,755,000	33,075	26,543
1941	——	30,875	25,627

Note: The fiscal year was changed in 1935 to end March 31.

A decrease in the number of prisoners was expected and forecast because of war conditions, in particular increased economic activity, with enlistment for active war service a contributing cause. The prison population in Ontario since this war commenced has, at a higher level, practically paralleled that for the same period of the 1914—1918 war.

Some ex-prisoners and some who otherwise would be potential prisoners have been absorbed by industry, the army, the navy and air force and these are probably the best of the whole group. Some of them will do well; approximately fifty per cent of our prisoners are below normal intelligence; only fifteen per cent or less have received any secondary education. Many are more or less unreliable, but there are many others who will be useful citizens if they can be fitted into their proper niche in society.

The comparatively small decrease in the past two years clearly indicates that in general as yet, those who are inefficient, careless livers and have disregarded the statutes are unwanted by industry and our war services. If and when all other man power sources have dried up and the demand continues, the story will probably be different and we may expect the same rapid decline in prison population which occurred in the last half of the previous war.

In the three of the four main classifications of crimes there were decreases in the number sentenced. These were crimes against the person, crimes against property and crimes against public order and peace. However, in the fourth, crimes against public morals and decency, there was a disquieting increase since last year from 576 to 843 (46 per cent). However, it should at the same time be noted that this group was only 3¼% of all the prisoners sentenced. This deplorable increase is likely a natural reaction to war and therefore temporary.

During the past two decades there has been increased failure in home training of children by parents. In the prosperous twenties (1920 to 1930) it was called the "Revolt of Youth". Certainly, many young people broke from home restraint and went wrong with the resultant rapid increase in our prison population. In the depression years, economic conditions had two effects. Most of our young people were up against stark, hard facts and that condition has produced a splendid, straight thinking and plain speaking generation. There has been, however, a minority who weaker or more unfortunate, unable to find work and their proper place in society, resorted to crime. All of us should henceforth take care that a proper programme of activity is arranged so our young people can do useful work and retain their self-respect.

Nature absorbs a vacuum and many social service organizations to some extent took up the work which parents were failing to do. Full credit should be given to all those citizens who earnestly and generally efficiently, took up the burden and much could be said of the work which they did in preventing crime and helping faltering youth. I refer to these facts because the need is still great and has been aggravated during the war by war conditions, including the absence of so many fathers.

The institutions caring for the prisoners operated efficiently. Good discipline was applied and training given. The great majority of the prisoners as usual, served their sentences obediently. As usual, the small minority who required extra discipline were chiefly young and previously undisciplined. As in the previous year there were frequent enlistments from our staffs to the war services. Replacements have been sufficient but are increasingly difficult as the available supply of potential officers is shrinking. Furthermore, those who might be otherwise eager to enter our service are aware that appointments now are temporary and will probably be filled when our enlisted officers return.

Because of war requirements, two more of our institutions, the Ontario Reformatory, Mimico, and the Industrial Farm, Monteith, were in July, 1940, transferred to the Federal authorities for the duration of the war. However, in the Summer and Autumn we took off the crops of the Mimico farm with prison labour taken daily from the Toronto Gaol.

The temporary loss of these two institutions following the previous loss, also because of the war, of the Industrial Farm, Langstaff, forced us to concentrate our Reformatory prisoners in the Ontario Reformatory, Guelph, and the Industrial Farm, Burwash, including the latter's subsidiary, the road camps east of Longlac. This loss of institutions, to a large extent, disrupted our classification of prisoners. Our worst longer term repeaters are still sent to Burwash and its road camps and the others to Guelph. The great majority of prisoners, however, are given short sentences and serve them in the gaols.

The closing of the Mimico and Monteith institutions required agricultural re-adjustments. At both we had pure bred livestock which was the result of many years careful breeding. This was transferred to Guelph and Burwash and it was necessary to build additional barns. This was done by using prison labour to the fullest extent.

Farm crops generally were good and in spite of the wet harvest season, damage was small. It is necessary in the 1941 crop season to re-adjust various crop acreages chiefly in vegetables, to maintain continuity of supply to other institutions.

I wish to commend for your attention the attached reports from the Board of Parole and the Superintendents. Also I wish to commend them and other officials and officers for their loyal, efficient attention to duty and to express our appreciation of your guidance.

C. F. NEELANDS,
Deputy Provincial Secretary.

TORONTO, AUGUST 19, 1941.

TABLE No. 1

Movement of Population in Ontario Reformatories and Industrial Farms. April 1st, 1940, to March 31st, 1941.

	Ontario Reformatory Guelph	Ontario Reformatory Mimico *	Industrial Farm Burwash	Industrial Farm †Monteith	Andrew Mercer Reformatory Toronto	Total
Remaining in Custody April 1st, 1940	817	207	744	76	124	1,968
Committed during the year	2,056	296	1,123	120	350	3,945
Re-admitted from Penitentiaries	......	......	......	......	......	......
Re-admitted from Gaols and other Institutions	3	1	......	......	5	9
Parole Violators re-admitted	22	......	4	......	10	36
Ticket-of-Leave Violators re-admitted	1	......	......	......	......	1
Number admitted en route to Guelph and Burwash	......	142	......	......	......	142
Total Number in Custody during the Year	2,899	646	1,871	196	489	6,101
Discharged on expiration of sentence	1,362	298	982	151	243	3,036
Discharged by ticket-of-leave	34	......	12	......	......	46
Discharged by Parole Board	466	6	70	......	63	605
Discharged by payment of fines	9	7	10	......	11	37
Discharged by remission of sentence	15	3	......	......	1	19
Discharged by Order-in-Council	5	5	......	......	5	15
Discharged by His Excellency the Governor General	5	......	10	......	......	15
Released on Bail	......	1	3	......	2	6
Interned	2	......	1	......	1	4
Transferred to Hospital	......	......	......	......	......	......
Transferred to Hospital for the Mentally ill	15	......	1	......	6	22
Transferred to Other Institutions	106	268	......	1	......	375
Returned to gaols	9	57	......	44	......	110
Deported	8	......	5	......	2	15
Released or transferred for other reasons	......	......	......	......	......	......
Escaped and not recaptured up to March 31st, 1941	......	1	4	......	1	6
Escaped and recaptured but not returned to March 31st, 1941	2	......	......	......	......	2
Died while in custody	1	......	1	......	1	3
Total number discharged, released, died, etc.	2,039	646	1,099	196	336	4,316
Number remaining in custody, March 31st, 1941	860	......	772	......	153	1,785

*Institution closed July 5, 1940. †Institution closed July 1, 1940.

The following tables show Social Conditions; Educational Status; Habits as to use of Intoxicants and Drugs; Nationalities; Occupations and Criminal History of Prisoners Committed to Ontario Reformatories and Industrial Farms for the year ending March 31st, 1941.

	Ontario Reformatory Guelph	Ontario Reformatory Mimico	Industrial Farm Burwash	Industrial Farm Monteith	Andrew Mercer Reformatory Toronto	Total
2. Social Conditions						
Married	569	110	372	43	156	1,250
Single	1,487	162	715	71	163	2,598
Widowed	....	20	29	6	25	80
Divorced	....	4	7	....	6	17
3. Educational Status						
Illiterate	207	11	63	10	37	328
Elementary	1,571	209	819	97	258	2,954
High School	264	74	223	13	55	629
College or University	14	2	18	....	....	34
4. Habits as to use of Intoxicants						
Abstainers	309	39	39	12	85	484
Temperate	790	66	415	38	94	1,403
Intemperate	957	191	669	70	171	2,058
5. Habits as to use of Drugs						
Abstainers	2,054	296	1,066	120	338	3,874
Addicts	2	....	57	....	12	71
6. Nationalities						
Canadian born	1,559	193	937	96	281	3,066
English	121	28	44	....	19	212
Irish	73	23	6	....	5	107
Scotch	85	18	24	3	13	143
United States	49	5	18	2	9	83
Other	169	29	94	19	23	334
7. Criminal History						
First time	264	1	68	....	160	493
Second time	368	13	109	....	62	552
Third time	276	1	98	....	38	413
More than third time	985	48	733	....	90	1,856
No record available	163	233	115	120	....	631
8. Occupation						
Agricultural	92	14	57	2	....	165
Commercial	477	50	105	1	20	653
Domestic	....	40	69	2	268	379
Labourers	902	114	519	51	....	1,586
Mechanics	177	66	312	64	....	619
Professional	6	6	21	....	2	35
No occupation	377	6	40	....	60	483
Miscellaneous	25	....	....	....	....	25

Length of Sentences received by Prisoners committed in the Ontario Reformatories and Industrial Farms and their Ages.

	Ontario Reformatory Guelph	Ontario Reformatory Mimico	Industrial Farm Burwash	Industrial Farm Monteith	Andrew Mercer Reformatory Toronto	Total
9. Ages of Prisoners						
15–19	503	3	103	9	76	694
20–24	291	27	262	18	81	679
25–29	155	34	191	15	59	454
30–34	138	19	124	15	34	330
35–39	197	42	156	20	41	456
40–44	153	41	85	19	23	321
45–49	153	27	68	13	19	280
50–54	178	37	46	5	12	278
55–59	129	32	36	4	3	204
60–64	80	19	38	2	....	139
65–69	44	9	12	....	1	66
70 and over	35	6	2	....	1	44
10. Length of Sentences						
Definite						
Under 30 days	....	....	....	....	7	7
30 days and under 60	78	34	....	59	58	229
2 Months and under 3	515	133	5	10	27	690
3 " " " 4	320	75	88	40	59	582
4 " " " 5	101	20	42	2	15	180
5 " " " 6	6	3	15	....	5	29
6 " " " 9	209	20	245	8	29	511
9 " " " 12	25	....	46	....	2	73
12 " " " 15	103	2	185	....	24	314
15 " " " 18	6	....	23	1	....	30
18 " " " 21	34	....	41	....	1	76
21 " " " 24	29	....	77	....	5	111
Indefinite						
3 Months to 6 Months	92	8	46	....	3	149
3 " to 9 "	15	....	4	....	1	20
3 " to 12 "	5	....	1	....	....	6
3 " to 18 "	....	....	....	....	....	....
3 " to 24 "	....	....	....	....	....	....
6 " to 9 "	83	....	27	....	13	123
6 " to 12 "	57	1	25	....	6	89
6 " to 18 "	4	....	4	....	3	11
6 " to 24 "	....	....	....	....	....	....
9 " to 12 "	12	....	6	....	1	19
9 " to 18 "	2	....	1	....	....	3
9 " to 24 "	....	....	....	....	....	....
12 " to 18 "	46	....	37	....	5	88
12 " to 24 "	4	....	15	....	3	22
18 " to 24 "	13	....	9	....	....	22
24 " to 36 "	6	....	2	....	....	8
24 " to 48 "	2	....	3	....	....	5
Miscellaneous	289	....	176	....	83	548

Number of prisoners who escaped and evaded capture; number who escaped and were recaptured; employment of prisoners and number of officers and employees.

	Ontario Reform-atory Guelph	Ontario Reform-atory Mimico	Indus-trial Farm Bur-wash	Indus-trial Farm Mon-teith	Andrew Mercer Reform-atory Toronto	Total
11. Escapes						
Escaped and evaded capture	....	1	4	....	....	5
Escaped and were recaptured	5	....	39	....	1	45
12. Employment of Prisoners in the Institution during the Year (Per Centage)						
Clerical	2.05	2.00	1.93	1.00	....	....
General Maintenance and Construction	31.80	14.00	56.53	20.00	57.00	....
Sick	4.50	1.00	2.11	2.00	5.00	....
Bush Operations	....	....	10.58	25.00	....	....
School	2.55	....	....	....	....	....
Industrial	27.10	36.00	5.13	....	36.00	....
Farm and Garden	21.55	47.00	16.45	32.00	2.00	....
Land and Road Improvement	10.45	....	7.27	20.00	....	....
13. Number of Officers and Employees on March 31st						
Superintendent	1	1	1	....	1	4
Physicians	2	1	3	1	2	9
Dentists	1	1	1	....	1	4
Teachers	1	....	2	....	1	4
Bursars or Stewards	....	....	....	....	1	1
Storekeepers	1	....	1	....	....	2
Asst. Storekeepers	....	....	....	....	....	....
Accountants, Clerks, Stenographers, etc.	11	2	10	1	2	26
Sergeants (Day)	1	1	1	1	....	4
Asst. Sergeants (Day)	2	1	4	....	....	7
Sergeants (Night)	1	1	....	....	....	2
Asst. Sergeants (Night)	1	....	1	....	....	2
Guards (Day) or Attendants	75	24	94	8	16	217
Guards (Night) or Attendants	22	6	20	2	3	53
Kitchen and Dining Room Help	1	....	1	....	....	2
Nurses	1	1	1	....	1	4
Farmers, Gardeners and Assts.	2	....	1	....	1	4
Engineers and other Mechanical Help	11	1	7	1	6	26
All other Employees	10	....	2	....	2	14
Total	144	40	150	14	37	385

TABLE

Offences for which Prisoners were committed during the

	Ontario Reformatory Guelph	Ontario Reformatory Mimico	Industrial Farm Burwash	Industrial Farm Monteith	Andrew Mercer Reformatory Toronto	Total
A. Crimes Against the Person						
Abduction	1	......	2	......	......	3
Abortion	1	......	......	......	3	4
Assault Common	3	7	9	7	2	28
Assault Felonious	20	......	32	......	1	53
Attempted Suicide	4	......	3	......	......	7
Cutting and Wounding and attempting same	7	......	7	......	......	14
Shooting with intent	1	1	......	......	......	2
Stabbing	......	......	......	......	......	......
Manslaughter	5	......	1	......	......	6
Carnal Knowledge	16	......	5	......	......	21
Incest	5	......	3	......	1	9
Rape and Assault with intent	......	......	......	......	......	......
Total	63	8	62	7	7	147
B. Crimes Against Property						
Arson and Incendiarism	5	1	6	......	1	13
Breaking and Entering and Theft	29	7	122	4	......	162
Breaking and Entering	......	......	31	5	......	36
Burglary	......	......	3	......	......	3
Housebreaking	89	......	12	......	......	101
Robbery	36	......	13	......	1	50
Forgery	8	......	22	1	3	34
Fraud	......	......	6	......	......	6
False Pretences	106	20	45	11	7	189
Shopbreaking	138	......	3	......	......	141
Theft of Cars	130	......	101	......	......	231
Taking without owner's consent	48	2	11	......	......	61
Larceny or Theft	277	53	216	12	46	604
Receiving Stolen Goods	57	7	50	4	8	126
Trespass	......	2	1	......	......	3
Total	923	92	642	37	66	1,760

No. 14.
year to Ontario Reformatories and Industrial Farms.

	Ontario Reformatory Guelph	Ontario Reformatory Mimico	Industrial Farm Burwash	Industrial Farm Monteith	Andrew Mercer Reformatory Toronto	Total
C. Crimes Against Public Morals and Decency						
Bigamy	16	......	4	......	4	24
Indecent Assault	39	......	23	......	......	62
Indecent Exposure or other Indecent Act	5	1	8	......	......	14
Inmates and Frequenters of Houses of Ill-fame	3	1	......	......	8	12
Keeping Houses of Ill-fame	19	3	7	......	36	65
Juvenile Delinquency	32	3	16	......	14	65
Perjury	8	......	2	......	3	13
Prostitution	2	......	1	......	26	29
Seduction	2	......	......	......	......	2
Buggery	6	......	2	......	......	8
Total	132	8	63	......	91	294
D. Crimes Against Public Order and Peace						
Breach of Liquor Control Act	661	29	74	49	56	869
Breach of Excise Act	11	3	11	2	1	28
Breach of Narcotic or Drug Act	1	......	29	......	5	35
Breach of By-laws	1	......	......	......	......	1
Carrying Unlawful Weapons	12	3	10	......	......	25
Cruelty to Animals	......	......	2	......	......	2
Drunk and Disorderly	1	115	10	......	2	128
Escaping from Constable	......	......	......	......	......	......
Escaping from Prison	3	......	4	......	2	9
Gambling	3	......	......	......	......	3
Obstructing an Officer	4	......	......	......	......	4
Unlawful shooting	......	......	......	......	......	......
Vagrancy	96	28	68	7	34	233
Total	793	178	208	58	100	1,337
E. Other Offences not Enumerated above						
Total	145	10	148	18	86	407
GRAND TOTAL— Totals of A., B., C., D. and E.	2,056	296	1,123	120	350	3,945

COMPARATIVE EXPENDITURE AND REVENUE FOR THE TWELVE MONTHS ENDING MARCH 31st, 1940 AND MARCH 31st, 1941.

	EXPENDITURE				REVENUE			
	March 1940	March 1941	Increase	Decrease	March 1940	March 1941	Increase	Decrease
Ontario Reformatory, Guelph—								
General Maintenance	$ 199,461.93	$ 224,392.24	$ 24,930.31		$ 40,163.69	$ 41,759.53	$ 1,595.84	
Repairs to Buildings	27,184.59	27,910.53	725.94					
Salaries	159,226.98	168,934.23	9,707.25					
Industries	553,107.67	539,090.31		$ 14,017.36	559,604.54	530,220.72		$ 29,383.82
Ontario Reformatory, Mimico—								
General Maintenance	54,421.60	20,136.94		34,284.66	12,785.95	11,085.53		1,700.42
Repairs to Buildings	7,985.67	1,995.81		5,989.86				
Salaries	53,738.40	26,453.61		27,284.79				
Industries	20,043.39			20,043.39	20,105.89	4,649.08		15,457.81
Mercer Reformatory, Toronto—								
General Maintenance	27,664.88	30,784.09	3,119.21		12,865.40	10,176.04		2,689.36
Repairs to Buildings	3,885.32	9,253.24	5,367.92					
Salaries	44,867.67	44,631.18		236.49				
Industries	115,814.71	121,392.33	5,577.62		121,405.48	134,504.26	13,098.78	
Industrial Farm, Burwash—								
General Maintenance	265,019.51	283,857.79	18,838.28		76,690.43	75,718.04		972.39
Repairs to Buildings	38,349.50	40,451.88	2,102.38					
Salaries	186,443.37	200,155.77	13,712.40					
Industries	26,919.06	22,727.52		4,191.54	16,196.34	21,692.06	5,495.72	
TOTALS	1,784,134.25	1,762,167.47	$ 84,081.31	$ 106,048.09	$ 859,818.72	$ 829,805.26	$ 20,190.34	$ 50,203.80

Decrease in Ordinary Expenditure—$21,996.78 Decrease in Ordinary Revenue—$30,013.46

DEPARTMENT OF PROVINCIAL SECRETARY, REFORMATORIES AND PRISON BRANCH

ONTARIO REFORMATORIES AND INDUSTRIAL FARM

Average maintenance cost per day per inmate for the twelve months from April 1, 1939, to March 1, 1940, and April 1, 1940, to March 31, 1941.

	Ontario Reformatory Guelph		Ontario Reformatory Mimico		Mercer Reformatory Toronto		Industrial Farm Burwash	
	1940	1941	1940	1941	1940	1941	1940	1941
Days' Residence of Inmates	264,870	302,754	81,970	20,350	49,031	56,777	279,143	290,488
Average No. of Inmates	723.7	829.5	224	110	134.	155.6	762.7	795.8
EXPENDITURE								
Medicines	.0331	.0330	.0318	.0367	.0179	.0105	.0568	.0559
Provisions	.3211	.3293	.2133	.2732	.2256	.2143	.4057	.4580
Fuel, Light and Water	.0714	.0722	.0773	.0837	.1378	.1406	.0913	.0824
Clothing	.1140	.1172	.0949	.1464	.0281	.0322	.1247	.1108
Laundry and Cleaning	.0275	.0252	.0617	.0644	.0491	.0407	.0341	.0350
Furniture and Furnishings	.0424	.0234	.0103	.0017	.0315	.0253	.0402	.0267
Office Expenses	.0095	.0129	.0126	.0243	.0147	.0162	.0099	.0117
Farm, Feed and Fodder Expense	.0842	.0781	.0781	.2255	.0106	.0143	.0989	.0706
Contingencies	.0498	.0498	.0840	.1337	.0489	.0481	.0878	.1260
Repairs to Buildings	.1026	.0922	.0974	.0980	.0792	.1630	.1374	.1393
Salaries	.6011	.5580	.6556	1.2999	.9151	.7860	.6679	.6889
Industrial Operations	2.0883	1.7806	.2445		2.3621	2.1380	.0964	.0782
Total Expenditure Per Capita	$3.5450	$3.1719	$1.6615	$2.3875	$3.9206	$3.6292	$1.8511	$1 8835
REVENUE								
Custodial Revenue	.1070	.0980	.1192	.4727	.0966	.0344	.1299	.1189
Perquisites	.0446	.0399	.0368	.0720	.1658	.1448	.1449	.1417
Industrial Revenue	2.1127	1.7513	.2453	.2285	2.4761	2.3689	.0580	.0746
Total Revenue Per Capita	2.2643	1.8892	.4013	7732	2.7385	2.5481	.3328	.3352
Net Per Capita Cost	$1.2807	$1.2827	$1.2602	$1.6143	$1.1821	$1.0811	$1.5183	$1.5483

	Total Gross Expenditure		Total Revenue		Total No. of Days' Stay		
	March 31 1940	March 31 1941	March 31 1940	March 31 1941	March 31 1940	March 31 1941	
Ontario Reformatory, Guelph	938,981.17	960,327.31	599,768.23	571,980.25	264,870	302,754	Average Per Capita Cost per Diem, 1939-40..$1.3693
Ontario Reformatory, Mimico	136,189.06	48,586.36	32,892.84	15,734.61	81,970	20,350	Average Per Capita Cost per Diem, 1940-41..$1.3908
Mercer Reformatory, Toronto	192,232.58	206,060.84	134,270.88	144,680.30	49,031	56,777	
Industrial Farm, Burwash	516,731.44	547,192.96	92,886.77	97,410.10	279,143	290,488	
	1,784,134.25	1,762,167.47	$859,818.72	$829,805.26	675,014	670,369	
Less Revenue	859,818.72	829,805.26					
	$924,315.53	$932,362.21					

Reformatories

THE ONTARIO REFORMATORY, GUELPH

May 26, 1941.

DEAR SIR:

The attached statistical report of the Ontario Reformatory, Guelph, covers the fiscal year ending March 31, 1941.

2,056 were committed to this Institution during the year, which is an increase in commitments of 695 over the preceding year. The total number in custody during the year was 2,899. Our average daily population for the year was 829.5. an increase of 105.54 over the preceding year.

578 admissions were under the age of twenty-one years. While this six year group, comprising the ages fifteen to twenty years, is the largest of any age group in custody here, it is 126 less in number than the same group for the preceding year. Enlistments and better opportunities for employment seem to be reducing the number of these lads getting into trouble.

264 of our commitments were convicted for the first time; 368 were convicted for the second time; 276 were convicted for the third time; 985 were convicted for more than the third time and 163 were convicted of non-indictable offences. which are not finger printed and thus no criminal record was available.

Leaving this group of 163 out of the total, we find our percentage group as follows:

Number convicted for the first time	13.94%
Number convicted for the second time	19.44%
Number convicted for the third time	14.58%
Number convicted for more than third time	52.04%
	100.00%

It is interesting to note the slight rise in those convicted for the second time and then the drop for those convicted for the third time. One might hazard an opinion that this is almost the final turning point. Either the inmate stops crime at this point or he goes on to become a definite recidivist and to belong to our large repeater group of 52% of our total commitments.

138 Industrial School boys were committed during the year, which is 34 less than in the previous year. 523 had been in this Institution at some time previously, 79 had served previous penitentiary sentences, 221 had been in other provincial or state reformatories and 482 had served gaol sentences.

Intelligence and educational tests were given to all inmates serving over three month sentences, 379 psychiatric examinations were made in the year by our Medical Officer. Our inmate population roughly falls into the following groups:

Mental defectives	19%
Dull normal intelligence	35%
Normal intelligence	46%

This division into these three groups does not attempt to give a picture of the attitude of any individual in any one of these groups to the great problem of RIGHT and WRONG. In the eyes of the law, the criminal is presumed to be as normal and sane as the non-criminal individual, though the law sees in his criminal activities the predominant behaviour of a particular individual; criminal psychopathology sees criminal behaviour as only one aspect of the life of the individual. The average citizen outside has been conditioned from childhood by pressure from all sorts of social, moral, cultural and religious forces, and he has no great difficulty in deciding what is right and wrong. He is not afraid of the law and does not come in conflict with it because his life agrees with the cultural demands of society. However, even the "average citizens" have many different conceptions of what is right and wrong. For example, this average citizen may be most honest in all his personal business dealings, but he may see no harm in cheating a large corporation.

The criminal has not been conditioned from childhood by the proper pressure of social, moral, cultural and religious forces and he has difficulty in deciding this question of right and wrong. He may be only wrong on certain of his concepts and it is quite the common thing for him to look with disgust on other criminals who commit acts which he would not be guilty of committing. Sexual offenders may be men of high moral fibre paradoxical as it may seem.

Our inmate rated as of normal intelligence may be a neurotic. He knows the difference between right and wrong but he gets himself in a maze of conflicts and is unable to make the choice which is accepted by society. After the deed is done he has a strong feeling of remorse, but the law only sees his factual behaviour.

Our inmate rated as normal or of superior intelligence often is a psycopath. He does not use his intelligence for socially useful purposes. He behaves like the mental defective, as if he lacked intelligence, but perhaps what is most important he has no *feeling* whatever for right or wrong. He has remorse only for himself, when he is caught, but does not feel any guilt. The psycopath lacks moral sense.

The mental defective must be looked upon as an individual with limitations of intelligence. He is unable to understand right and wrong, and so the promptings of his conscience are very dull or absent entirely. Mental deficiency does not preclude the possibility of his grasping the concept of right and wrong, it only limits the concept. He also may have coexistence of neurosis, psychosis or psychopathy. In the mental defective, punishment cannot increase his intelligence and so his grasp of the situation remains the same. After he has served his sentence he is just as likely to indulge in criminal behaviour as before because the punishment has not reached the source of his criminality nor can it improve the intelligence back of it.

The psychopath lacking the sense of right and wrong, but with a complete appreciation of moral values, will indulge in the same criminal behaviour regardless of the number of sentences that have been imposed and served.

The neurotic driven by impulse to commit a particular crime such as pyromania, cleptomania, exhibitionism, etc., will accept punishment but it will not reach the source of his crime because it fails to reach the unconscious motivation. This then is the reason our Reformatory is filled with repeaters. A normal inmate may profit by his sentence, in knowing the difference between right and wrong he accepts the punishment he deserves, and decides he will have no more of it. He does not return.

The educational status of our inmates is low. Only 10% have entrance standing or better. 70% are below grade VI, 207 were illiterate.

An interesting educational survey was completed during the year. 360 letters were sent to the various schools, inmates had attended. 320 or 84% of the letters were answered. In 196 cases or 61.25% the inmate gave his correct educational standing, but the teachers remarks might qualify this standing by stating,—"He was so troublesome he was passed into this grade because his previous teacher got tired of him." "He was too big to be kept with the smaller children," etc., etc. In 124 cases or 38.75% a higher standing was claimed by the pupil than he had attained. In 160 cases the inmate found it necessary to repeat grades in public school work. Tests given by our teacher showed that over 50% of those inmates credited with entrance standing obtained less than forty marks. Very few of the inmates show an interest in current events. A check has been made on this to a limited extent, and it has been found that world events more than a year old, or even of a more recent date mean absolutely nothing. For example, very few can recall for what Dunkirk is famous.

No reading to any extent is done previous to commitment. Many admit they never read a complete book before they entered this Institution. Those that have read confine their efforts to the cheapest class of lurid magazine. This in itself might account for the loss of any educational knowledge they had, in a short length of time.

95% of these inmates have never had a true hobby. Many list reading and some few sports, but on questioning them closer it appears they feel they must give an answer and they pick on either of these subjects. Their interest in sports is not actually taking part in the play but watching, and reading meant getting the current issue of some of the now banned magazines.

The school had a successful year. Twelve pupils wrote their entrance examinations and twelve passed, four with honours. Good progress was made with the illiterate and junior classes. The night vocational classes were well attended.

The library books at the end of the year totalled 4,387. 2,350 volumes were received during the year 2,155 were discarded from our library from overuse. 405 were sent to the Girls' Training School. A great deal of reading was done by inmates in the cell block.

Physical training classes were held five nights a week. This is compulsory for all physically fit young men. Basketball games, and monthly boxing bouts were held during the winter months.

The general health of the inmates was good. One death occurred from cardiac decompensation. Twelve major and fifteen minor operations were successfully performed in the Guelph hospitals, where a total of thirty-one patients were treated. The dental clinic gave some 2,879 examinations and 1,783 treatments. Fifteen inmates were transferred to mental hospitals for treatment. 66 commitments had syphilis or 3.21%. 11 had gonnorrhea or .53%. Two escapes were made, both were recaptured. Discipline was well maintained during the year.

All the industrial departments operated throughout the year. The total industrial revenue was $530,220.72. Our total profit from all industries was $19,695.93.

In the abattoir our total sales of products amounted to 2,143,046 pounds, with a value of $293,775.01. The auto marker plant produced 807,713 pairs of license plates. Our cannery production was goods to the sales value of $77,628.71. The machine shop had a production of goods valued at $12,846.27. The planing mill turned out products valued at $8,642.71. The tailor shop production was $48,311.52. The woollen mill production was goods valued at $29,449.80.

On our farm the crops were good, but excessive rain in the fall somewhat hampered the harvest. Our farm recoveries amounted to $44,475.80, an increase of $9,230.00 in value over the preceding year. 493 hogs were raised and sold to our abattoir at a value of $8,756.40. Our dairy herd produced 794,007 pounds of milk at a value of $14,483.61.

We are very grateful to those who, during the year, provided entertainment, religious services, and gave spiritual advice to our inmates.

I wish to commend my staff to you for their conscientious and loyal service. I wish to thank the Honourable Mr. Nixon, yourself and your staff for the help, courtesy and kindness extended to us throughout the year.

Yours very truly,

J. D. HEASLIP, M.D.,
Superintendent.

THE ONTARIO REFORMATORY, MIMICO

May 27th, 1941.

DEAR SIR:—

I have the honour to submit this report covering the activities of the Ontario Reformatory, Mimico, for the year ending March 31st, 1941.

Since my last report numerous changes have taken place at this Institution. Early in July 1940 the main block of buildings, including dormitories, kitchen, offices, power plant and industrial buildings were taken over by the Military Authorities. This resulted in drastic changes in our personnel and program for the year. The inmates were transferred to the Ontario Reformatory Guelph and Toronto Jail. Some of our officers were transferred to Guelph, several enlisted in the army and a few remained to operate the farm lands not taken over and harvest the crop sown in the spring. The herd of pure bred Holsteins, built up to considerable proportions, all being registered and on R.O.P. Test, and comparing favorably with outside herds as to milk production and butter fat test, were transferred to Guelph. Our hogs were also transferred to Guelph and our poultry stock was distributed between the Training Schools at Galt and Bowmanville. Our horses were retained to take care of the farm and harvest the crop.

The farm work has been carried on by having a number of inmates brought out from the Toronto Jail each morning and taken back again in the evening. Harvesting was completed under trying conditions. Owing to heavy rains and windstorms, crops, which were very heavy, were flattened entailing extra labour and considerable loss of grain and straw. Had normal conditions prevailed the yield of grain would have been exceptional—for instance 12 acres of fall wheat yielded 573 bushels or an average of 47¾ bushels per acre.

A summary of the production from our livestock prior to transfer and the larger items of the garden and farm crops turned over to other Institutions is given below.

Livestock:—	43	Hogs for slaughter.
	7	Cows for slaughter.
	5	Calves for breeding.
	87,735	lbs. of Milk.
Poultry:—	356	doz. Eggs.
Garden and Farm:—	573	bus. Wheat
	1,500	bus. Oats.
	225	bus. Barley.
	127	tons Hay.
	97	tons Straw.
	14,631	lbs. Beets.
	54,289	lbs. Cabbage.

32,805	lbs.	Carrots.
37,000	lbs.	Mangels.
15,542	lbs.	Onions.
12,714	lbs.	Parsnips.
99,695	lbs.	Potatoes.
2,500	lbs.	Rhubarb.
2,795	lbs.	Tomatoes.
18,500	lbs.	Turnips.

The health of our inmates was good. There were no outbreaks of illness due to care exercised by Dr. D. S. MacLennan, Institution Medical Officer and Mr. J. H. Deacon, our male nurse.

I desire to express my personal thanks to Honourable Mr. Nixon, yourself and members of your staff for valued advice and counsel and to the staff of this Institution for loyal support. I wish also to express my thanks to Reverend M. G. B. Williams, Anglican Church, Rev. C. E. Dyer, United Church, Reverend Father McGrath, Roman Catholic Church and the Salvation Army for untiring efforts in caring for the spiritual welfare of our inmates.

Yours sincerely,

J. R. ELLIOTT,
Superintendent.

ANNUAL REPORT
OF THE INDUSTRIAL FARM, BURWASH, ONTARIO.

April 1st, 1940 to March 31st, 1941.

I have the honour to forward the following report for the year ending March 31st, 1941.

Owing to the Department of National Defence taking over some of our Institutions for Internment Camps, considerable changes have .been made these last two years. Our Branch at Monteith was transferred in July of 1940, and the prisoners transferred, some to the District Gaols and some to Burwash. Those of the Staff who wished to be were transferred to Burwash, and all the stock, machinery, etc., were returned there also.

The plan of sending inmates up to Seagram to work on the Trans-Canada Highway worked out very successfully. They did a lot of work, and except for a very few, behaved themselves and were able to earn a little money to help re-establish themselves, after their release. The inmates under experienced Officers and Guards from Burwash, and a resident Engineer of the Department of Highways, erected camps, cut logs, helped operate a portable sawmill, cut logs into lumber to build more camps, operated trucks and graders, dug ditches, graded roads and cut down right-of-way so well that at least eleven miles of road will be completed by this fall, with about thirty miles of tote road cut for the hauling of supplies and equipment. Seventeen inmates escaped or attempted to escape, but all were recaptured.

At Burwash, we had a very successful but busy year; having plenty of rain, when needed most. We had a very heavy crop of hay and will have some stacks left over for next year. Our grain was good but owing to the wet fall, it was hard to harvest, and a small quantity spoiled; our potatoes were poor as the wet weather rotted them in the ground; but our garden vegetables were good, and being well stored, we are using cabbage, beets, parsnips, turnips and carrots today that are just as firm as the day we stored them. This helped considerably in keeping down the cost of our meals and also gave the prisoners fresh vegetables to eat.

Our cattle, sheep and pigs increased greatly and from our dairy herd we had an abundance of fresh milk. Owing to the difficulty and cost of buying horses every year, to replace those dying off, and to enable us to get a younger and better grade of horses, the Department bought us fourteen young mares and a registered Belgian Stallion. By these means, we propose to raise our own colts, and in time this should prove a very economical way of getting and keeping young, strong horses for work.

Last summer all inmates not engaged in Camp or Farm duties were kept stumping and clearing land for cultivation and the stumps were split for firewood for use at the power house. We ploughed one hundred and fourteen acres of new land last fall, and this will be cultivated and seeded this summer.

Due to the closing of Monteith and the transferring of the stock, we had to build a new barn. Although we started late, in three months, with prison labour only, we completed a barn 96 ft. by 45 ft. with feed room and roothouse at one end and stabling for forty-four cattle. In the winter the prisoners were engaged in the bush, one large gang cutting firewood for our heating plants and another gang cutting, skidding and hauling twenty-two thousand logs to our sawmill to be cut into lumber this summer. This should give us around a million board feet of good lumber.

Although our count of prisoners was higher than ever before, owing to the closing down of some of our other Institutions, discipline was excellent during the entire year. Only fourteen men attempted to escape but all were recaptured and there was no trouble, agitation or complaint. The men, doing much good work, were fed nourishing, well-cooked meals. When weather permitted they were allowed to play baseball on Saturday afternoons. In wet weather and in the winter they were allowed to box, play cards, checkers and dominoes. At Christmas, they had a concert arranged with their own talent and with their own orchestra. They are allowed papers, good magazines, and books. With a loud speaker installed in every dormitory and camp they hear all news broadcasts, good plays and music. The health of all inmates and staff was excellent throughout the year.

Discipline among the staff was very good. Quite a number of the staff enlisted in the Army, Air Force and Navy and a number of new Guards were engaged to replace them. Our new Guards were all given lectures on organization and administration of prisons and reformatories, and of this institution in particular. They were also given lectures on discipline, conduct and the handling of prisoners. A course of instruction was given in musketry for rifle, revolver and practice shooting at our rifle range, and all succeeded in passing the test.

In conclusion I wish to thank The Honourable Harry Nixon and yourself for your valuable advice and counsel throughout the year, and those members on your staff who work with us; also Major Talbot, of the Salvation Army, a man who works long and hard for the spiritual welfare of our prisoners, and also the other Ministers of the Gospel who visited us at different times.

I would like to point out that my staff has worked efficiently and hard, and that the smooth-ruuning of this Institution today is in a large measure due to their loyalty and devotion.

Yours very truly,

H. W. Powell,
Superintendent.

MERCER REFORMATORY.

May21, 1941.

MR. C. F. NEELANDS,
Deputy Provincial Secretary,
Parliament Buildings,
Toronto, Ontario.

SIR:

I have the honour to submit the Annual Report of the Andrew Mercer Reformatory for Females for the year ending March 31, 1941.

The population at the beginning of the year was 124. During the year 350 were admitted. 63 were released on parole, 5 were released by Order-in-Council, 11 by payment of fine and 1 by remission of sentence. As will be seen from the attached statistical tables, 7 of the 350 inmates received sentenced of less than 30 days, 58 were under 60 days, 27 were under three months. Such short terms give no opportunity for satisfactory training in any one craft. Four inmates were under 16 years of age when admitted. Diversity of sentences for the same offence causes confusion and discontent in the minds of those sentenced.

I wish to draw your attention to the fact that from time to time among the commitments are those who are mentally defective, insane or physically unfit. Their condition often is obvious even to a casual observer, and their admission here interferes with the administration and discipline of our institution. During the year 6 were transferred to mental hospitals. I recommend that a mental examination be given each person admitted to this Reformatory.

The separation of the different classes confined here would have better results if we were able to complete the segregation by having separate diningrooms for them.

Interior improvements begun during the year are still incomplete. The installation of the new locking system throughout the building, and the modern type fire-escape built within the walls of the west section and with numerous exits from each floor, provide much greater safety. The building is now well equipped with fire-escapes.

A small greenhouse, in which to preserve and cultivate our plants, is badly needed and such an addition would have an aesthetic as well as an economic value. We also require a fireproof shed in which to store paint, to obviate the fire hazard in the present arrangement of storing paint in the basement of the building.

I am most grateful to the clergy and Sunday School teachers who have given so generously of their time and endeavour, and to all others who have contributed in various ways to the comfort and entertainment of the inmates. Whatever good work may have been accomplished in this institution has been due to the co-operation and continued efforts of the members of the staff.

May I express my gratitude for the kindness and assistance which I have received from you, sir, and from the officials of your Department during the past year.

I have the honour to be, sir,

Your obedient servant,

JEAN MILNE,
Superintendent.

Board of Parole

ANNUAL REPORT OF THE ONTARIO BOARD OF PAROLE

For the Year Ending March 31st, 1941.

The great essential work of the Ontario Board of Parole is the re-establishing of the offender and his restoration to society as a respected citizen; yet, there is an unsentimental monetary side to the work as well. A man inside an institution is a decided liability, owing to the cost of maintenance by the Province, but on going out to remunerative work he becomes an asset, whole families are by the one process removed from dependence upon charitable organizations and municipal relief. The Ontario Parole System has, through its efforts during the year just ended, proved an effective instrument of rehabilitation. Through the closer supervision of men and women under this system, particularly toward home and family obligations, a decided improvement has been evidenced. Closer co-operation with both municipal and provincial police, assisted materially by the public, owing to a more sympathetic understanding of the system, a finer spirit of human relationship now exists. The Board, we believe, through its officers, has now created a better understanding with men and women under its supervision.

Owing to conditions which existed until recently it was difficult in many cases for inmates who had been granted parole to secure employment, but in the majority of cases this was arranged.

The personnel of the Board was not changed during the year and is composed of: J. F. McKinley, L. J. Long, A. F. Hatch, R. S. Clark, W. B. Common and Mrs. D. Strachan.

The Executive Staff of the Board is comprised of C. F. Swayze, Chief Officer and Secretary, G R. Trumbell, Assistant Parole Officer, four stenographers and one filing clerk.

Statement of Parole Violators for the Year Ending March 31st, 1941

Re-convicted:

Paroled previous to March 31st, 1940	5	
Paroled during the fiscal year	22	
	—	27

Sent Back and Parole Cancelled:

Paroled previous to March 31st, 1940	4		
Paroled during the fiscal year	16		
	—	20	

Disappeared:

Paroled previous to March 31st, 1940	4		
Paroled during the fiscal year	5		
	—	9	
		—	56

Total Failures:

Paroled previous to March 31st, 1940	13		
Paroled during the fiscal year	43		
	—		56

Paroled:

Men	554		
Women	63		
	—		617

Failures 6.97%

J. F. McKINLEY,
Chairman.

The Salvation Army

A REPORT OF THE PRISON, JAIL AND POLICE COURT WORK IN THE PROVINCE OF ONTARIO.

For the Year Ended September 30th, 1940.

We submit a brief report of the work done by The Salvation Army in the Prisons, Jails and Police Courts of Ontario.

Our officers are continually in touch with the inmates of the various Institutions, and every man on discharge—if he has no place of residence—may be accommodated at our Home during such time as he is seeking work or arranging to return to relatives. In Toronto there is a special building for the accommodation of discharged prisoners, and a number of officers are exclusively employed in looking after the interests of discharged men and their families.

It is very difficult for a man leaving prison to regain his former place in society, but many do so, and often the way is made easier for the man by arranging with out officers prior to his release, to meet and welcome him.

Of course it is generally known that in the case of law-breakers the real sufferers are the wives and children. Prisons as a rule, are far more comfortable than many of the homes in which the families live, and prison fare is far better than that which many working men can supply their families.

Prisoners' Welfare Work

It is well that even the law-breakers should be spared unnecessary punishment while in prison, but it is sad that the innocent should suffer at home for the wrong-doer. The Salvation Army, as far as the funds at its disposal will allow, strives to alleviate the condition of the dependents of prisoners. In practically every town and city our officers are available for visiting the families of men in prison and helping the man on his return home.

The experience of The Salvation Army goes to prove that there is no factor in the permanent reformation of the wrong-doer so powerful as the effects of religion, therefore, it is to the spiritual nature of the prisoner that Salvationists urgently appeal by means of personal interviews and religious meetings. Thus to the thousands of religious services conducted in the Ontario Prisons during the year, and the hundreds of personal interviews, plus the contacts in their own homes, and in the Social Service Office on their release, may be attributed in a great measure the change of heart an encouraging number of discharged prisoners experience.

In closing I want to put on record our gratitude and thanks to the superintendents and officials of the various Institutions, also the magistrates and crown attorneys for their real sympathy and help in cases where they feel that mercy can be extended yet justice done.

REPORT OF PRISONS, GAOLS AND POLICE COURT WORK FOR THE PROVINCE OF ONTARIO, YEAR ENDED SEPTEMBER 30th, 1940.

Visits to Gaols, Prisons and Police Courts, including visits when services are held	4,559
Interviews with men	10,543
Religious services conducted in Prisons and Gaols	1,429
Men handed to The Salvation Army, met on discharge or who have come direct to the Prison Office	2,187
Meals and beds supplied free	14,971
Letters written or calls made by 'phone in order to bring about reconciliation or secure employment for discharged men	5,126
Visits to homes, also prospective employers on behalf of prisoners	3,894
Employment secured, returned to former jobs or sent back to friends or parents mostly from the Police Court	1,101
Number provided with clothing	945

Note:—Gifts are made to men and women at Christmas at all Prisons and Jails.

STATEMENT OF INCOME AND EXPENDITURE FOR THE FISCAL YEAR ENDED SEPTEMBER 30th, 1940.

Expenditure		
To assistance of prisoners and dependents		$ 3,651.16
Expenses of Officers engaged in Prison and Police Court Work:		
Burwash		
Salaries	$1,066.00	
Rents	57.00	
Incidentals	174.77	
		1,297.77
Guelph		
Salaries	499.92	
Incidentals	126.76	
		626.68
Toronto—Men's Police Court		
Salaries	1,898.00	
Rents	645.00	
Travelling	302.40	
Incidentals	440.91	
		3,286.31
Toronto—Women's Police Court		
Salaries	676.00	
Rents	104.00	
Travelling	104.35	
Incidentals	303.35	
		1,187.70
Kingston		
Salaries	1,170.00	
Travelling	96.36	
Incidentals	90.95	
		1,357.31
Monteith, Gore Bay, etc.		
Travelling		68.30
		$11,475.23

Income	
By Grants	
Province of Ontario	$ 5,000.00
City of Toronto	1,650.00
City of Kingston	840.00
Donations	184.30
	7,674.30
Deficit	3,800.93
	$11,475.23

Annual Report upon the

Gaols of Ontario

FOR THE YEAR ENDING MARCH 31, 1941.

1. City Gaols (Toronto and Hamilton)		2
County Gaols		35
District Gaols		10
Total number of Gaols in Ontario		47
2. Total expenditure for Gaol Maintenance in Ontario:		
For year ending March 31, 1940		$552,659.16
For year ending March 31, 1941		600,980.46
3. Average maintenance cost per day per prisoner:		
For year ending March 31, 1940		1.00
For year ending March 31, 1941		1.14
4. Average dietary cost per day per prisoner:		
For year ending March 31, 1940		.1504
For year ending March 31, 1941		.1597
5. Number of prisoners committed:		
For year ending March 31, 1940		33,075
For year ending March 31, 1941		30,875
	Decrease	2,200
6. Number of prisoners sentenced:		
For year ending March 31, 1940		26,543
For year ending March 31, 1941		25,627
	Decrease	916

COMMITMENTS

	1939-40	1940-41	Decrease	Increase
Murder	11	15	—	4
Manslaughter	41	44	—	3
Crimes:				
Against the person	1,243	1,121	122	—
Against property	8,539	6,806	1,733	—
Against Public Morals and Decency	880	1,067	—	187
Against Order and Peace	20,231	18,831	1,400	—
Mentally Ill	447	521	—	74
Number of days stay of prisoners	549,971	527,672	22,299	—
Escapes	9	4	5	—
Escaped and Recaptured	9	4	5	—
Deaths in Gaols	2	7	—	5

The following tables show total Sex, Social Conditions, Habits and Education Status of all prisoners committed:

SEX.

	1939-40	1940-41
Male	31,217	28,318
Female	1,858	2,557

SOCIAL CONDITIONS.

Married	11,359	10,815
Unmarried	21,716	20,060

HABITS

Temperate	11,096	9,940
Intemperate	21,979	20,935

EDUCATIONAL

Could read or write	31,823	29,484
Could neither read nor write	1,252	1,391

The following tables show the Nationality and Occupation of all prisoners committed:

NATIONALITY.

	1939-40	1940-41
Canadian Born	25,395	23,423
English	1,803	1,829
Irish	907	976
Scotch	1,334	978
United States	584	618
Other Countries	3,052	3,051

OCCUPATIONS.

Agricultural	1,438	1,233
Commercial	5,505	4,071
Domestic	1,727	2,258
Labourers	19,074	17,848
Mechanics	3,594	3,439
Professional	355	511
Soldier	—	166
No Occupation	1,382	1,349

NUMBER OF TIMES COMMITTED.

	1939-40	%	1940-41	%
First Time	17,613	53.3	15,451	50.1
Second Time	5,149	15.5	4,799	15.5
Third Time	3,444	10.4	3,957	12.8
More than Third Time	6,869	20.8	6,668	21.6
	33,075		30,875	

NUMBER OF PRISONERS COMMITTED REPORTED AS DRUG ADDICTS:

Brantford	1	St. Catharines	1
Brockville	1	St. Thomas	2
Cayuga	1	Toronto	263
Guelph	3	Whitby	1
Hamilton	4	Windsor	2
Kitchener	1	Port Arthur	4
London	1	Sudbury	1
Peterborough	9		
		Total	295

NUMBER OF PRISONERS SENTENCED TO CORPORAL PUNISHMENT:

Barrie	2	Pembroke	1
Brampton	1	Sarnia	1
Brantford	1	Toronto	7
Brockville	2	Walkerton	1
Cayuga	1	Welland	8
Cornwall	3	Kenora	3
Hamilton	3	North Bay	1
London	1	Parry Sound	2
Ottawa	2	Sudbury	4
		Total	44

Offences for which prisoners were committed and sentenced during the year.

A. CRIMES AGAINST THE PERSON

	COMMITMENTS			SENTENCES		
	Male	Female	Total	Male	Female	Total
Abduction	11	....	11	7	....	7
Abortion	8	5	13	5	4	9
Assault, Common	588	18	606	440	13	453
Assault, Felonious	195	9	204	134	7	141
Attempted Suicide	41	21	62	27	10	37
Cutting and wounding and attempting same	31	....	31	21	....	21
Shooting with intent	13	1	14	7	....	7
Stabbing	....	....	....	....	....	....
Manslaughter	41	3	44	11	1	12
Murder	13	2	15	9	....	9
Carnal Knowledge	78	....	78	54	....	54
Rape and Assault with intent to rape	43	....	43	16	....	16
Total	1,062	59	1,121	731	35	766

B. CRIMES AGAINST PROPERTY

	COMMITMENTS			SENTENCES		
	Male	Female	Total	Male	Female	Total
Arson and Incendiarism	22	4	26	16	1	17
Breaking, Enter and Theft	1,469	16	1,485	1,233	12	1,245
Robbery	241	3	244	198	....	198
Forgery	140	8	148	124	7	131
Fraud	263	22	285	214	15	229
False Pretenses	509	22	531	422	16	438
Larceny and Theft	2,644	133	2,777	2,229	112	2,341
Theft of Cars	408	2	410	326	1	327
Taking without owners consent	221	1	222	185	....	185
Receiving stolen goods	350	22	372	294	16	310
Trespass	302	4	306	266	4	270
Total	6,569	237	6,806	5,507	184	5,691

Offences for which prisoners were committed and sentenced during the year.

C. CRIMES AGAINST PUBLIC MORALS AND DECENCY

	COMMITMENTS			SENTENCES		
	Male	Female	Total	Male	Female	Total
Bigamy	31	5	36	28	4	32
Indecent Assault	151	1	152	108	1	109
Indecent Exposure	100	26	126	83	22	105
Incest	18	1	19	13	1	14
Inmates and frequenters of Houses of ill-fame	90	103	193	54	79	133
Keeping Houses of ill-fame	64	173	237	57	167	224
Juvenile Delinquency	153	47	200	118	29	147
Perjury	25	9	34	20	5	25
Prostitution	....	39	39	....	28	28
Seduction	8	....	8	6	....	6
Buggery	23	....	23	20	....	20
Total	663	404	1067	507	336	843

D. CRIMES AGAINST PUBLIC ORDER AND PEACE

	COMMITMENTS			SENTENCES		
	Male	Female	Total	Male	Female	Total
Breaches of the Liquor Control Act	4,385	284	4,669	4,071	239	4,310
Breaches of the Excise Act	90	3	93	79	2	81
Breaches of the Narcotic and Drug Act	53	8	61	46	7	53
Breaches of the By-Laws (Do not include B.L.C.A.)	240	12	252	228	11	239
Breaches of the Highways Traffic Act	807	6	813	685	5	690
Carrying unlawful weapons	99	3	102	76	2	78
Cruelty to animals	24	....	24	20	....	20
Drunk and Disorderly (Do not include B.L.C.A.)	6,534	530	7,064	6,185	491	6,676
Drunk driving an Automobile	1,227	10	1,237	1,124	10	1,134
Escaping from Constable	7	2	9	5	....	5
Escaping from prison or gaol	13	1	14	11	1	12
Gambling	103	....	103	86	....	86
Obstructing an Officer	102	10	112	73	9	82
Selling or giving liquor to Indians (Do not include B.L.C.A.)	151	21	172	141	21	162
Vagrancy	3,438	668	4,106	2,559	443	3,002
Total	17,273	1,558	18,831	15,389	1,241	16,630
E. OTHER OFFENCES NOT ENUMERATED ABOVE	2,751	299	3,050	1,564	133	1,697
GRAND TOTAL (Totals of A, B, C, D, and E)	28,318	2,557	30,875	23,693	1,929	25,627

TABLE

Showing of Names and Salaries of various Goal

CITY and COUNTY GAOLS	Names of Officials			
	Sheriffs	Gaolers	Chief Matrons	Chief Turnkeys
Barrie	E. C. Drury	E. M. Garrity	Mrs. E. Garrity	J. R. Weymouth
Belleville	J. D. O'Flynn	G. H. French	" E. French	J. Samain
Brampton	F. S. Hutchison	J. A. Hillson	" K. Hillson	J. Young
Brantford	C. S. Tapscott	J. Cook	" E. Cook	H. Slaught
Brockville	R. J. Gill	F. J. Heffernan	" E. M. Heffernan	J. Harrison
Cayuga	R F. Miller	J. B. Smith	" A. Smith	W. J. Spittal
Chatham	E. W. Hardy	P. J. Daigneau	" G. Daigneau	W. Henley
Cobourg	J. T. Fields	F. J. Wright	" V. Wright	I. Palen
Cornwall	A. I. Macdonnell	J. S. Dickey	" B. Dickey	J. Cowhey
Goderich	W. N. Hill	J. B. Reynolds	" J. Reynolds	K. White
Guelph	H.C. Waind	J. Clarke	" J. Clarke	J. Borland
Hamilton*	A. C. Caldwell	F. V. Lalonde	" E. Lalonde	T. J. Hickmott
Kingston	F. .L Davies	J. T. Hawkey	" G. Hawkey	N. Sleeth
Kitchener	G. H. Gillies	E. Langridge	" V. Langridge	J. Wheeler
Lindsay	A. J. Campbell	H. W. Stone	" E. Stone	C. A. Grozelle
London	D. A. Graham	C. H. Mitchell	" J. North	W. K. Gray
L'Orignal	A. Landriault	A. Gelineau	" A. Gelineau	E. Seguin
Milton	W. J. L. Hampshire	F. McNiven	" R. McNiven	V. F. Hall
Napanee	J. T. Haycock	W. H. Roe	" W. H. Roe	G. L. McCabe
		G. L. McCabe	" G. L. McCabe	
Orangeville	T. K. Slack	H. A. Coutts	" M. Coutts	N. Crowe
Ottawa	S. Crooks	A. G. Dawson	" B. Samson	A. Nicol
		I. A. Sutherland		
Owen Sound	T. J. Rutherford	T. A. Ramage	" J. Ramage.	S. H. Guardhouse
Pembroke	A. Morris	A. G. Brown	" A. Brown	C. Poupore
Perth	J. S. L. McNeely	W. R. Somerville.	" W. Somerville	A. E. Manson
Peterboro	F. J. A. Hall	T. D. Johnston	" E. Johnston	S. D. Johnston
Picton	A. E. Bowerman	W. McWilliams	" V. McWilliams	E. Rist
St. Catharines	F. J. Graves	J. J. Dundas	" L. Dundas	R. J. Venn
St. Thomas	I. D. Cameron	C. P. Ermatinger.	" R. B. Donaldson	R. B. Donaldson
Sarnia	A. J. Johnston	E. J. Mott	" C. Mott	G. Gilbert
Simcoe	W. Mason	G. Mercel	" J. Mercel	H. Eames
Stratford	H. D. Lang	A. T. Trethewy	" A. Trethewy	H. Nichol
Toronto*	W. H. Cane	W. L. Rayfield	" M. Peers	A. Edwards
Walkerton	H. A. McGillivray.	A. E. Ferguson	" M. Ferguson	A. T. McDougall
Welland	V. L. Davidson	D. Sharp	" D. Stewart	C. Stewart
Whitby	H. Bascom	H. F. Lucas	" I. E. Lucas	W. Pellow
Windsor	A. A. Marentette	I. W. Warden	" J. Warden	J. T. Morkin
Woodstock	C. E. Sutherland	J. L Skinner	" G. K. Skinner	M. D. Hamilton
DISTRICT GAOLS				
Bracebridge	C. S. Salmon	C. Reynolds	Mrs. C. Reynolds	
Fort Frances	W. P. Pilkey	I. E. King	" J. E, King	J. Miller
Gore Bay	W. I. Wagg	R. McDermid	" R. McDermid	
Haileybury	H. Clifford	A. T. Humphreys	" C. Terrill	J. B. Anderson
Kenora	L. D. MacCallum	E. W. Cox	" F. Cox	H. R. Warner
North Bay	A. R. Girard	E. I. Turner	" F. Valin	W. Rayner
Parry Sound	J. E. Armstrong	T. W. Keating	" T. Keating	W. J. Tait
Port Arthur	H. Thompson	G. F. Lasseter	" G. F. Lasseter	C. M. Smith
Sault Ste. Marie	R. E. Stone	R. M. Hearst	" M. A. Hearst	W. Johnson
Sudbury	M. Arthur	W. H. O'Leary	" W. H. O'Leary	R. Cornthwaite

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* City Gaols

No. 1.
Officials for the Year Ending March 31st, 1941.

CITY and COUNTY GAOLS		Salaries of Officials				
	Gaol Surgeons	Gaolers	Matrons	Other Officers	Surgeons	Total
Barrie	Dr. W. Little	$1,200.00	$ 400.00	$3,248.95	$ 452.47	$5,301.42
Belleville	" R. M Anderson	700.00	400.00	1,820.00	500.00	3,420.00
Brampton	" W. Brydon	900.00	250.00	1,391.00	112.00	2,653.00
Brantford	" R. H. Palmer	1,500.00	500.00	4,865.25	300.00	7,165.25
Brockville	" D. I. Matheson	1,150.00	200.00	2,338.92	325.00	4,013.92
Cayuga	" D. R. Weylie	1,100.00	200.00	1,217.00	160.00	2,677.00
Chatham	" G. *S.* Gerguson	1,300.00	400.00	3,602.50	350.00	5,652.50
Cobourg	" A. R. Richards	1,000.00	200.00	1,020.50	314.00	2,534.50
Cornwall	" A. R. Alguire	1,600.00	300.00	4,507.50	285.00	6,787.50
	" J. A. McGuire				95.00	
Goderich	" A. H. Taylor	1,000.00	225.00	1,120.50	125.00	2,470.50
Guelph	" A. B. McCarter	1,000.00	300.00	3,499.00	200.00	4,999.00
Hamilton*	" H. R. McAlister	2,000.00	700.00	17,745.00	1,000.00	21,445.00
Kingston	" P. H. Huyck	1,350.00	582.00	2,293.73	350.00	4,575.73
Kitchener	" G. D. McTaggart	1,200.00	400.00	3,237.00	500.00	5,387.00
Lindsay	" M. F. White	1,200.00	240.00	1,569.75	150.00	3,159.75
London	" D. H. Hogg	1,620.00	750.00	10,338.87	700.00	13,408.87
L'Orignal	" R. Laviolette	900.00	270.00	1,084.25	250.00	2,504.25
Milton	" C. K. Stevenson	900.00	250.00	860.04	200.00	2,210 04
Napanee	" T. M. Galbraith	166.66	33.33	1,131.25	200.00	2,504.04
		801.96	170.84			
Orangeville	" J. W. Leach	1,200.00	300.00	1,030.00	125.00	2,655.00
Ottawa	" J. F. Argue	1,149.90	635.75	17,033.31	365.00	20,084.96
		900.00				
Owen Sound	" R. Howey	1,200.00	300.00	1,792.50	250.00	3,542.50
Pembroke	" A. J. Sparling	1,700.00	225.00	1,179.00	100.00	3,204.00
Perth	" A. C. Fowler	1,000.00	200.00	1,405.14	250.00	3,105.14
	" J. F. Noonan				250.00	
Peterboro	" J. A. Morgan	1,000 00	300.00	3,865.00	200.00	5,365.00
Picton	" A. W. Heaslip	743.74	200.00	741.25	150.00	1,834.99
St. Catharines	" L. H. Werden	1,100.00	300.00	2,180.00	135.00	3,715.00
St. Thomas	" D. L. Ewin	1,420.00	....	3,044.59	319.00	4,783.59
Sarnia	" W. B. Rutherford	1,075.00	400.00	3,291.00	300.00	5,056.00
Simcoe	" K. McIntosh	840.00	250.00	1,587.50	75.00	2,752.50
Stratford	" M. J. Fraser	1,100.00	450.00	1,678.00	150.00	3 378.00
Toronto*	" J. Chassels	2,700.00	1,284.80	62,229.70	1,500.00	67,714.50
Walkerton	" W. A. Hall	1,000.00	200.00	1,779.40	150.00	3.129.40
Welland	" C. R. Hignell	1,720.00	250.00	3,811.50	395.00	6,176.50
Whitby	" C. F. McGillivray	850.00	250.00	2,925.50	235.00	4,260.50
Windsor	" C. J. Hemond	1,500.00	600.00	11,577.62	800.00	14,477.62
Woodstock	" C. M. McKay	1,100.00	300.00	1,449.00	200.00	3,049.00
DISTRICT GAOLS						
Bracebridge	Dr. E. G. Ellis	1,300.00	200.00	847.00	150.00	2,497.00
Fort Frances	" W. G. Boyle	1,700.00	300.00	3,238.00	166.60	5,437.92
	" J. F. O'Donnell				33.32	
Gore Bay	" F. A. Strain	1,300.00	300.00	128.00	66.64	1,909.70
	" L. Weisgerber				32.32	
	" C. Jessoph				82.74	
Haileybury	" W. C. Arnold	1,800.00	525.00	8,886.08	661.00	11,872.08
Kenora	" W. J. Gunne	1,850.00	300.00	5,592.53	200.00	7,942.53
North Bay	" E. J. Brennen	1,900.00	525.00	7,722.86	300.00	10,447.86
Parry Sound	" H. Limbert	1,400.00	300.00	2,345.32	75.00	4,245.30
	" A. J. L. Wright				124.98	
Port Arthur	" W. W. Smith	2,000.00	282.27	14,015.06	400.00	16,697.33
Sault Ste. Marie	" S. E. Fleming	1,800.00	400.00	3,090.00	300.00	5,590.00
Sudbury	" W. C. Morrison	2,100.00	500.00	8,477.50	720.00	11,797.50

TABLE

MOVEMENT OF

CITY and COUNTY GAOLS	Number Remaining in custody on remand Mar. 31st, 1940			Number Remaining in custody awaiting trial Mar. 31st, 1940			Number Remaining in custody serving unexpired sentences or for other reasons Mar. 31st, 1940			Number Committed during the year ending March 31st, 1941		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Barrie	8	....	8	1	....	1	17	....	17	534	62	596
Belleville	5	2	7	1	....	1	26	1	27	497	41	538
Brampton	....	....	....	....	....	....	2	....	2	92	2	94
Brantford	4	1	5	....	....	....	16	1	17	525	18	543
Brockville	2	....	2	....	....	....	15	2	17	302	14	316
Cayuga	1	....	1	1	....	1	3	....	3	105	6	111
Chatham	5	....	5	....	....	....	26	1	27	590	31	621
Cobourg	....	....	....	....	....	....	9	....	9	211	11	222
Cornwall	9	....	9	....	....	....	18	....	18	366	21	387
Goderich	1	....	1	2	....	2	3	....	3	133	6	139
Guelph	2	....	2	....	....	....	17	....	17	372	43	415
Hamilton*	5	1	6	2	....	2	80	3	83	1,613	123	1,736
Kingston	2	....	2	2	....	2	20	....	20	376	39	415
Kitchener	10	....	10	1	....	1	22	....	22	481	45	526
Lindsay	1	....	1	1	....	1	4	....	4	132	7	139
London	15	....	15	....	....	....	45	3	48	1,187	134	1,321
L'Orignal	3	....	3	....	....	....	5	....	5	147	2	149
Milton	....	....	....	2	2	4	1	....	1	81	5	86
Napanee	....	....	....	....	....	....	1	....	1	72	3	75
Orangeville	2	....	2	....	....	....	....	....	....	31	2	33
Ottawa	36	....	36	5	....	5	66	3	69	1,897	122	2,019
Owen Sound	....	....	....	....	....	....	11	1	12	205	14	219
Pembroke	3	....	3	....	....	....	11	....	11	408	27	435
Perth	....	....	....	....	....	....	11	....	11	218	8	226
Peterboro	....	....	....	1	....	1	16	....	16	314	27	341
Picton	....	....	....	....	....	....	1	....	1	64	4	68
St. Catharines	2	....	2	....	....	....	15	....	15	297	10	307
St. Thomas	1	1	2	....	....	....	6	....	6	327	13	340
Sarnia	3	....	3	....	....	....	8	....	8	280	21	301
Simcoe	....	....	....	....	....	....	4	....	4	196	10	206
Stratford	3	....	3	1	....	1	8	....	8	129	5	134
Toronto*	96	8	104	7	1	8	161	12	173	8,378	1,042	9,420
Walkerton	4	....	4	....	....	....	5	....	5	180	10	190
Welland	4	....	4	....	....	....	12	....	12	643	14	657
Whitby	4	....	4	2	....	2	17	....	17	296	30	326
Windsor	19	3	22	....	....	....	39	1	40	979	100	1,079
Woodstock	3	....	3	....	....	....	5	....	5	166	4	170
DISTRICT GAOLS												
Bracebridge	....	....	....	1	....	1	1	....	1	105	3	108
Fort Frances	2	....	2	1	....	1	6	....	6	193	10	203
Gore Bay	....	....	....	....	....	....	2	....	2	54	2	56
Haileybury	3	....	3	2	....	2	59	7	66	889	55	944
Kenora	28	1	29	1	1	2	....	....	....	470	32	502
North Bay	7	....	7	....	....	....	25	2	27	680	65	745
Parry Sound	....	....	....	1	....	1	6	....	6	385	44	429
Port Arthur	6	....	6	2	....	2	84	6	90	1,238	122	1,360
Sault Ste. Marie	2	1	3	1	....	1	23	2	25	272	17	289
Sudbury	7	9	16	1	....	1	111	3	114	1,208	131	1,339
Totals	308	27	335	39	4	43	1,043	48	1,091	28,318	2,557	30,875

* City Gaols.

No. 2.

GAOL POPULATION.

CITY and COUNTY GAOLS	Total number in custody during year			Number released on bail			Number Acquitted and released			Number released by order of judge or court without trial		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Barrie	560	62	622	15	1	16	16	2	18	3	....	3
Belleville	529	44	573	8	...	8	59	5	64	4	....	4
Brampton	94	2	96	.....	...	.....	11	....	11	2	....	2
Brantford	545	20	565	7	1	8	95	5	100	.....	....	.....
Brockville	319	16	335	7	...	7	2	2	4	8	....	8
Cayuga	110	6	116	12	...	12	13	2	15	2	....	2
Chatham	621	32	653	13	1	14	36	2	38	1	....	1
Cobourg	220	11	231	25	2	27	8	2	10	5	....	5
Cornwall	393	21	414	3	...	3	1	....	1	.....	....	.....
Goderich	139	6	145	44	2	46	5	....	5	1	....	1
Guelph	391	43	434	12	...	12	44	14	58	2	....	2
Hamilton*	1,700	127	1,827	52	10	62	168	29	197	14	....	14
Kingston	400	39	439	.....	...	.....	33	4	37	13	....	13
Kitchener	514	45	559	2	...	2	97	5	102	1	1	2
Lindsay	138	7	145	.....	...	.....	9	1	10	1	....	1
London	1,247	137	1,384	5	1	6	116	34	150	12	4	16
L'Orignal	155	2	157	10	...	10	9	....	9	4	....	4
Milton	84	7	91	1	...	1	11	....	11	5	1	6
Napanee	73	3	76	7	1	8	1	....	1	3	1	4
Orangeville	33	2	35	3	...	3	4	....	4	1	....	1
Ottawa	2,004	125	2,129	2	...	2	296	42	338	24	1	25
Owen Sound	216	15	231	1	...	1	11	1	12	.....	....	.....
Pembroke	422	27	449	3	...	3	4	....	4	2	....	2
Perth	229	8	237	1	...	1	13	....	13	9	5	14
Peterboro	331	27	358	2	...	2	35	6	41	.....	....	.....
Picton	65	4	69	2	...	2	1	....	1	9	4	13
St. Catharines	314	10	324	3	...	3	37	3	40	.....	....	.....
St. Thomas	334	14	348	25	...	25	7	....	7	9	1	10
Sarnia	291	21	312	2	...	2	18	3	21	.....	....	.....
Simcoe	200	10	210	40	4	44	1	....	1	2	....	2
Stratford	141	5	146	8	1	9	....	....	....	.....	....	.....
Toronto*	8,642	1,063	9,705	1,420	136	1,556	....	....	....	524	68	592
Walkerton	189	10	199	18	...	18	14	1	15	.....	....	.....
Welland	659	14	673	35	1	36	42	....	42	2	....	2
Whitby	319	30	349	3	1	4	25	9	34	.....	....	.....
Windsor	1,037	104	1,141	10	2	12	67	33	100	20	....	20
Woodstock	174	4	178	15	1	16	6	....	6	.....	....	.....
DISTRICT GAOLS												
Bracebridge	107	3	110	.....	...	.....	7	....	7	.....	....	.....
Fort Frances	202	10	212	7	...	7	27	....	27	.....	....	.....
Gore Bay	56	2	58	1	...	1	....	....	....	.....	....	.....
Haileybury	*996	62	1,058	5	...	5	23	1	24	2	....	2
Kenora	499	34	533	17	2	19	13	1	14	.....	....	.....
North Bay	712	67	779	15	1	16	88	8	96	29	....	29
Parry Sound	392	44	436	24	2	26	54	10	64	.....	....	.....
Port Arthur	1,330	128	1,458	3	1	4	75	7	82	3	....	3
Sault Ste. Marie	298	20	318	.....	...	.....	1	....	1	57	2	59
Sudbury	1,327	143	1,470	24	1	25	2	....	2	13	5	18
Totals	29,751	2,636	32,387	1,912	172	2,084	1,605	232	1,837	787	93	880

*Includes 43 transferred from the District Gaol, Haileybury, to the Industrial Farm, Monteith, and re-admitted to the District Gaol, Haileybury, after the closing of the Industrial Farm, Monteith.

TABLE

MOVEMENT OF

CITY and COUNTY GAOLS	Number with option of a fine or gaol term who paid fines and were released			Number released on suspended sentences			Number released for any other reason		
	M.	F.	T.	M.	F.	T	M.	F.	T.
Barrie	99	9	108	31	11	42	47	15	62
Belleville	61	5	66	35	3	38	13	......	13
Brampton	17	......	17	16	......	16	2	......	2
Brantford	10	2	12	46	2	48	1	......	1
Brockville	4	......	4	11	......	11	1	......	1
Cayuga	16	......	16	2	......	2	6	......	6
Chatham	7	1	8	78	4	82	2	......	2
Cobourg	15	......	15	15	2	17	2	......	2
Cornwall	28	1	29	23	3	26	59	2	61
Goderich	7	......	7	18	1	19	4	......	4
Guelph	86	3	89	20	1	21	1	1	2
Hamilton*	50	6	56	95	18	113	......	......	......
Kingston	48	5	53	31	15	46	24	1	25
Kitchener	74	5	79	70	1	71	1	17	18
Lindsay	7	......	7	4	2	6	11	......	11
London	40	3	43	81	8	89	129	6	135
L'Orignal	19	......	19	10	......	10	2	2	4
Milton	9	1	10	6	1	7	2	1	3
Napanee	3	......	3	5	......	5	2	......	2
Orangeville	6	......	6	......	......	......	......	......	......
Ottawa	52	4	56	132	23	155	5	1	6
Owen Sound	13	......	13	11	5	16	2	......	2
Pembroke	12	......	12	21	......	21	102	15	117
Perth	22	......	22	6	1	7	1	......	1
Peterboro	13	2	15	13	8	21	3	......	3
Picton	2	......	2	10	......	10	......	......	......
St. Catharines	19	1	20	10	......	10	2	1	3
St. Thomas	14	1	15	33	7	40	5	......	5
Sarnia	21	4	25	10	1	11	31	......	31
Simcoe	23	1	24	21	2	23	21	......	21
Stratford	8	......	8	9	3	12	28	......	28
Toronto*	424	80	504	1,617	336	1,953	96	18	114
Walkerton	19	......	19	22	......	22	......	......	......
Welland	23	1	24	47	4	51	4	......	4
Whitby	24	11	35	26	4	30	......	......	......
Windsor	63	......	63	77	8	85	17	14	31
Woodstock	6	......	6	5	2	7	3	......	3
DISTRICT GAOLS									
Bracebridge	3	......	3	5	1	6	1	......	1
Fort Frances	54	1	55	35	1	36	......	......	......
Gore Bay	2	1	3	6	......	6	......	......	......
Haileybury	9	4	13	3	......	3	2	2	4
Kenora	22	3	25	44	3	47	4	......	4
North Bay	33	10	43	47	7	54	5	2	7
Parry Sound	132	13	145	6	......	6	21	1	22
Port Arthur	107	20	127	28	3	31	2	1	3
Sault Ste. Marie	29	1	30	......	......	......	5	......	5
Sudbury	120	38	158	41	5	46	146	37	183
Totals	1,875	237	2,112	2,882	496	3,378	815	137	952

* City gaols.

No. 2 (Continued).

GAOL POPULATION.

CITY and COUNTY GAOLS	Number Discharged on expiration of sentence			Number Transferred to Other Institutions			Number Sentenced and deported direct from gaol		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
Barrie	222	15	237	104	8	112	.....	.....	.....
Belleville	266	13	279	57	17	74	.....	.....	.....
Brampton	31	....	31	13	2	15	.....	.....	.....
Brantford	310	4	314	68	4	72	.....	.....	.....
Brockville	217	4	221	55	8	63	1	.....	1
Cayuga	44	3	47	10	....	10	1	.....	1
Chatham	384	19	403	76	5	81	1	.....	1
Cobourg	105	1	106	36	4	40	.....	.....	.....
Cornwall	198	4	202	57	11	68	1	.....	1
Goderich	34	2	36	23	....	23	.....	.....	.....
Guelph	161	5	166	51	18	69	.....	.....	.....
Hamilton*	956	21	977	258	40	298	.....	.....	.....
Kingston	205	10	215	32	4	36	.....	.....	.....
Kitchener	186	2	188	52	14	66	.....	.....	.....
Lindsay	83	2	85	19	1	20	.....	.....	.....
London	736	59	795	78	17	95	2	.....	2
L'Orignal	58	....	58	31	....	31	.....	.....	.....
Milton	40	3	43	7	....	7	.....	.....	.....
Napanee	37	....	37	13	1	14	.....	.....	.....
Orangeville	12	....	12	7	2	9	.....	.....	.....
Ottawa	1,271	47	1,318	143	7	150	.....	.....	.....
Owen Sound	132	5	137	43	3	46	.....	.....	.....
Pembroke	233	7	240	30	5	35	.....	.....	.....
Perth	163	2	165	7	....	7	.....	.....	.....
Peterboro	228	7	235	14	3	17	.....	.....	.....
Picton	31	....	31	8	....	8	.....	.....	.....
St. Catharines	203	3	206	27	2	29	2	.....	2
St. Thomas	207	5	212	25	....	25	2	.....	2
Sarnia	167	12	179	35	1	36	1	.....	1
Simcoe	72	2	74	15	....	15	.....	.....	.....
Stratford	65	1	66	21	....	21	.....	.....	.....
Toronto*	2,033	226	2,259	2,193	166	2,359	8	.....	8
Walkerton	64	7	71	47	1	48	.....	.....	.....
Welland	372	1	373	86	6	92	12	.....	12
Whitby	181	3	184	44	2	46	.....	.....	.....
Windsor	616	20	636	119	17	136	5	1	6
Woodstock	90	1	91	41	....	41	.....	.....	.....
DISTRICT GAOLS									
Bracebridge	59	....	59	30	2	32	.....	.....	.....
Fort Frances	49	5	54	23	3	26	.....	.....	.....
Gore Bay	32	....	32	12	1	13	.....	.....	.....
Haileybury	561	34	595	326	18	344	.....	.....	.....
Kenora	333	14	347	39	6	45	.....	.....	.....
North Bay	254	11	265	211	22	233	.....	.....	.....
Parry Sound	121	13	134	24	2	26	.....	.....	.....
Port Arthur	885	60	945	103	28	131	.....	.....	.....
Sault Ste. Marie	148	8	156	36	8	44	1	.....	1
Sudbury	691	26	717	234	25	259	.....	1	1
Totals	13,546	687	14,233	4,983	484	5,467	37	2	39

TABLE

MOVEMENT OF

CITY and COUNTY GAOLS	Died before trial			Died while undergoing sentence			Escaped and not recaptured during year			Number remaining in custody on remand March 31st, 1941		
	M.	F.	T.	M	F.	T.	M.	F.	T.	M.	F.	T.
Barrie										8		8
Belleville												
Brampton										1		1
Brantford												
Brockville										3		3
Cayuga												
Chatham										3		3
Cobourg												
Cornwall										2		2
Goderich												
Guelph												
Hamilton*										13	1	14
Kingston										3		3
Kitchener				1		1				12		12
Lindsay												
London										4	1	5
L'Orignal										5		5
Milton												
Napanee												
Orangeville												
Ottawa										16		16
Owen Sound												
Pembroke										3		3
Perth										2		2
Peterboro										2		2
Picton												
St. Catharines												
St. Thomas										1		1
Sarnia										3		3
Simcoe										1		1
Stratford												
Toronto*				3		3				57	6	63
Walkerton										1		1
Welland										1		1
Whitby										2		2
Windsor				1		1				7		7
Woodstock										2		2
DISTRICT GAOLS												
Bracebridge												
Fort Frances										1		1
Gore Bay												
Haileybury				1		1						
Kenora												
North Bay										4	4	8
Parry Sound												
Port Arthur										11	1	12
Sault Ste. Marie				1		1				3	1	4
Sudbury										6		6
Totals				7		7				177	14	191

* City Gaols.

No. 2 (Concluded).

GAOL POPULATION

CITY and COUNTY GAOLS	Number remaining in custody awaiting trial March 31st, 1941			Number remaining in custody serving unexpired sentences or for other reasons March 31st, 1941			Total		
	M.	F.	T.	M.	F.	T.	Male	Female	Total
Barrie				15	1	16	560	62	622
Belleville				26	1	27	529	44	573
Brampton				1		1	94	2	96
Brantford				8	2	10	545	20	565
Brockville				10	2	12	319	16	335
Cayuga	1		1	3	1	4	110	6	116
Chatham				20		20	621	32	653
Cobourg	2		2	7		7	220	11	231
Cornwall				21		21	393	21	414
Goderich				3	1	4	139	6	145
Guelph				14	1	15	391	43	434
Hamilton*	1		1	93	2	95	1,700	127	1,827
Kingston				11		11	400	39	439
Kitchener				18		18	514	45	559
Lindsay				4	1	5	138	7	145
London				44	4	48	1,247	137	1,384
L'Orignal				7		7	155	2	157
Milton				3		3	84	7	91
Napanee				2		2	73	3	76
Orangeville							33	2	35
Ottawa	1		1	62		62	2,004	125	2,129
Owen Sound		1	1	3		3	216	15	231
Pembroke				12		12	422	27	449
Perth				5		5	229	8	237
Peterboro	3		3	18	1	19	331	27	358
Picton				2		2	65	4	69
St. Catharines				11		11	314	10	324
St. Thomas				6		6	334	14	348
Sarnia				3		3	291	21	312
Simcoe	1		1	3	1	4	200	10	210
Stratford				2		2	141	5	146
Toronto*	12	1	13	255	26	281	8,642	1,063	9,705
Walkerton				4	1	5	189	10	199
Welland	1		1	34	1	35	659	14	673
Whitby				14		14	319	30	349
Windsor	3	1	4	32	8	40	1,037	104	1,141
Woodstock				6		6	174	4	178
DISTRICT GAOLS									
Bracebridge				2		2	107	3	110
Fort Frances				6		6	202	10	212
Gore Bay	2		2	1		1	56	2	58
Haileybury	3		3	61	3	64	996	62	1,058
Kenora				27	5	32	499	34	533
North Bay	2		2	24	2	26	712	67	779
Parry Sound				10	3	13	392	44	436
Port Arthur	4		4	109	7	116	1,330	128	1,458
Sault Ste. Marie				17		17	298	20	318
Sudbury				50	5	55	1,327	143	1,470
Totals	36	3	39	1,089	79	1,168	29,751	2,636	32,387

TABLE

Criminal History, Number
and Number

CITY and COUNTY GAOLS	Criminal History of Those Committed							
	First Time		Second Time		Third Time		Over Three Times	
	Male	Female	Male	Female	Male	Female	Male	Female
Barrie	469	58	25	4	18	....	22	....
Belleville	295	28	83	9	59	4	60	....
Brampton	47	....	22	1	7	....	16	1
Brantford	258	15	63	1	52	....	152	2
Brockville	116	13	41	1	33	....	112	....
Cayuga	103	6	2	......	....	....	....	....
Chatham	208	14	55	4	88	4	239	9
Cobourg	115	10	39	1	27	....	30	....
Cornwall	162	18	43	2	49	....	112	1
Goderich	71	3	34	2	7	1	21	....
Guelph	212	27	50	9	68	6	42	1
Hamilton*	758	76	145	20	90	13	620	14
Kingston	239	31	21	4	16	....	100	4
Kitchener	260	34	48	3	50	3	123	5
Lindsay	93	5	9	2	9	....	21	....
London	594	85	145	19	70	6	378	24
L'Orignal	81	2	28	....	13	....	25	....
Milton	50	3	9	1	5	1	17	....
Napanee	37	3	13	....	6	....	16	....
Orangeville	16	2	6	....	3	....	6	....
Ottawa	1,704	67	93	28	54	3	46	24
Owen Sound	79	10	32	1	23	....	71	3
Pembroke	360	26	22	1	16	....	10	....
Perth	77	8	20	....	25	....	96	....
Peterboro	129	17	48	7	48	3	89	....
Picton	37	2	7	2	5	....	15	....
St. Catharines	88	8	39	....	16	1	154	1
St. Thomas	127	8	64	2	48	....	88	3
Sarnia	154	10	63	6	31	5	32	....
Simcoe	119	8	34	2	21	....	22	....
Stratford	95	5	13	....	4	....	17	....
Toronto*	2,461	284	1,825	273	1,915	196	2,177	289
Walkerton	95	6	32	....	20	2	33	2
Welland	346	12	92	2	53	....	152	....
Whitby	202	22	39	2	37	1	18	5
Windsor	622	84	122	10	81	6	154	....
Woodstock	119	4	16	....	14	....	17	....
DISTRICT GAOLS								
Bracebridge	49	3	14	....	15	....	27	....
Fort Frances	125	8	34	1	24	1	10	....
Gore Bay	27	2	13	....	8	....	6	....
Haileybury	377	31	152	12	56	2	304	10
Kenora	382	29	60	2	16	....	12	1
North Bay	235	14	153	19	103	18	189	14
Parry Sound	312	35	45	2	17	4	11	3
Port Arthur	987	104	79	5	70	3	102	10
Sault Ste. Marie	149	11	42	3	35	2	46	1
Sudbury	466	93	274	28	238	9	230	1
Totals	14,107	1,344	4,308	491	3,663	294	6,240	428

No. 3.

Over and Under Sixteen
Committed.

CITY and COUNTY GAOLS	Under 16 years of Age			16 years of Age and over			Total number committed during Year		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Barrie	1	....	1	533	62	595	534	62	596
Belleville	2	....	2	495	41	536	497	41	538
Brampton	1	....	1	91	2	93	92	2	94
Brantford	4	1	5	521	17	538	525	18	543
Brockville	5	1	6	297	13	310	302	14	316
Cayuga	.....	....	......	105	6	111	105	6	111
Chatham	10	1	11	580	30	610	590	31	621
Cobourg	12	1	13	199	10	209	211	11	222
Cornwall	5	2	7	361	19	380	366	21	387
Goderich	4	....	4	129	6	135	133	6	139
Guelph	1	1	2	371	42	413	372	43	415
Hamilton*	4	....	4	1,609	123	1,732	1,613	123	1,736
Kingston	2	1	3	374	38	412	376	39	415
Kitchener	11	3	14	470	42	512	481	45	526
Lindsay	.....	....	......	132	7	139	132	7	139
London	.....	2	2	1,187	132	1,319	1,187	134	1,321
L'Orignal	3	....	3	144	2	146	147	2	149
Milton	.....	....	......	81	5	86	81	5	86
Napanee	5	1	6	67	2	69	72	3	75
Orangeville	.....	....	......	31	2	33	31	2	33
Ottawa	10	3	13	1,887	119	2,006	1,897	122	2,019
Owen Sound	2	....	2	203	14	217	205	14	219
Pembroke	2	1	3	406	26	432	408	27	435
Perth	1	....	1	217	8	225	218	8	226
Peterboro	.....	4	4	314	23	337	314	27	341
Picton	1	....	1	63	4	67	64	4	68
St. Catharines	1	....	1	296	10	306	297	10	307
St. Thomas	.....	1	1	327	12	339	327	13	340
Sarnia	.....	....	......	280	21	301	280	21	301
Simcoe	2	2	4	194	8	202	196	10	206
Stratford	.....	....	......	129	5	134	129	5	134
Toronto*	13	....	13	8,365	1,042	9,407	8,378	1,042	9,420
Walkerton	1	....	1	179	10	189	180	10	190
Welland	2	....	2	641	14	655	643	14	657
Whitby	.....	....	......	296	30	326	296	30	326
Windsor	16	....	16	963	100	1,063	979	100	1,079
Woodstock	1	....	1	165	4	169	166	4	170
DISTRICT GAOLS									
Bracebridge	3	1	4	102	2	104	105	3	108
Fort Frances	18	2	20	175	8	183	193	10	203
Gore Bay	2	....	2	52	2	54	54	2	56
Haileybury	1	....	1	888	55	943	889	55	944
Kenora	12	1	13	458	31	489	470	32	502
North Bay	3	1	4	677	64	741	680	65	745
Parry Sound	2	1	3	383	43	426	385	44	429
Port Arthur	5	1	6	1,233	121	1,354	1,238	122	1,360
Sault Ste. Marie	3	....	3	269	17	286	272	17	289
Sudbury	13	3	16	1,195	128	1,323	1,208	131	1,339
Totals	184	35	219	28,134	2,522	30,656	28,318	2,557	30,875

* City Gaols.

TABLE

Social Status and Habits of Prisoners Committed

CITY and COUNTY GAOLS	Married			Single			Could read and write		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Barrie	221	23	244	313	39	352	528	60	588
Belleville	177	21	198	320	20	340	447	36	483
Brampton	34	2	36	58	....	58	91	2	93
Brantford	176	11	187	349	7	356	512	18	530
Brockville	98	6	104	204	8	212	291	14	305
Cayuga	42	4	46	63	2	65	104	6	110
Chatham	205	16	221	385	15	400	559	30	589
Cobourg	80	5	85	131	6	137	207	11	218
Cornwall	116	10	126	250	11	261	294	18	312
Goderich	57	5	62	76	1	77	132	6	138
Guelph	129	20	149	243	23	266	365	43	408
Hamilton*	659	71	730	954	52	1006	1,600	120	1,720
Kingston	142	18	160	234	21	255	374	39	413
Kitchener	171	12	183	310	33	343	481	44	525
Lindsay	39	4	43	93	3	96	129	7	136
London	340	72	412	847	62	909	1,182	133	1,315
L'Orignal	49	....	49	98	2	100	24	1	25
Milton	26	2	28	55	3	58	81	5	86
Napanee	26	2	28	46	1	47	67	3	70
Orangeville	15	....	15	16	2	18	31	2	33
Ottawa	471	39	510	1,426	83	1,509	1,760	118	1,878
Owen Sound	73	10	83	132	4	136	189	14	203
Pembroke	112	8	120	296	19	315	404	27	431
Perth	56	3	59	162	5	167	211	8	219
Peterboro	68	9	77	246	18	264	303	27	330
Picton	27	2	29	37	2	39	61	4	65
St. Catharines	101	6	107	196	4	200	293	9	302
St. Thomas	116	8	124	211	5	216	321	12	333
Sarnia	102	17	119	178	4	182	274	20	294
Simcoe	103	3	106	93	7	100	180	10	190
Stratford	41	4	45	88	1	89	124	5	129
Toronto*	3,074	388	3,462	5,304	654	5,958	8,168	1035	9,203
Walkerton	76	7	83	104	3	107	180	10	190
Welland	470	6	476	173	8	181	628	13	641
Whitby	110	20	130	186	10	196	289	30	319
Windsor	291	49	340	688	51	739	944	98	1,042
Woodstock	44	3	47	122	1	123	161	4	165
DISTRICT GAOLS									
Bracebridge	40	1	41	65	2	67	103	3	106
Fort Frances	76	4	80	117	6	123	190	9	199
Gore Bay	24	2	26	30	....	30	46	2	48
Haileybury	313	30	343	576	25	601	787	54	841
Kenora	125	20	145	345	12	357	400	23	423
North Bay	224	20	244	456	45	501	510	54	564
Parry Sound	151	16	167	234	28	262	367	43	410
Port Arthur	265	55	320	973	67	1040	1,208	121	1,329
Sault Ste. Marie	97	8	105	175	9	184	239	14	253
Sudbury	272	49	321	936	82	1,018	1,156	124	1,280
Totals	9,724	1091	10,815	18,594	1466	20,060	26,995	2,489	29,484

* City Gaols.

No. 4.
during the Year Ending March 31st, 1941.

CITY and COUNTY GAOLS	Illiterate			Temperate			Intemperate		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Barrie	6	2	8	456	60	516	78	2	80
Belleville	50	5	55	258	28	286	239	13	252
Brampton	1	....	1	21	1	22	71	1	72
Brantford	13	....	13	253	13	266	272	5	277
Brockville	11	....	11	162	11	173	140	3	143
Cayuga	1	....	1	39	5	44	66	1	67
Chatham	31	1	32	380	19	399	210	12	222
Cobourg	4	....	4	80	8	88	131	3	134
Cornwall	72	3	75	77	8	85	289	13	302
Goderich	1	....	1	91	6	97	42	....	42
Guelph	7	....	7	192	32	224	180	11	191
Hamilton*	13	3	16	680	66	746	933	57	990
Kingston	2	....	2	52	19	71	324	20	344
Kitchener	....	1	1	163	34	197	318	11	329
Lindsay	3	....	3	60	6	66	72	1	73
London	5	1	6	220	43	263	967	91	1,058
L'Orignal	123	1	124	84	2	86	63	....	63
Milton	.....	....	....	29	2	31	52	3	55
Napanee	5	....	5	13	2	15	59	1	60
Orangeville	.....	....	....	8	2	10	23	....	23
Ottawa	137	4	141	631	57	688	1,266	65	1,331
Owen Sound	16	....	16	54	7	61	151	7	158
Pembroke	4	....	4	29	9	38	379	18	397
Perth	7	....	7	98	6	104	120	2	122
Peterboro	11	....	11	172	26	198	142	1	143
Picton	3	....	3	12	4	16	52	....	52
St. Catharines	4	1	5	103	6	109	194	4	198
St. Thomas	6	1	7	261	11	272	66	2	68
Sarnia	6	1	7	133	10	143	147	11	158
Simcoe	16	....	16	78	8	86	118	2	120
Stratford	5	....	5	83	4	87	46	1	47
Toronto*	210	7	217	1,168	235	1,403	7,210	807	8,017
Walkerton	.....	....	....	82	2	84	98	8	106
Welland	15	1	16	294	10	304	349	4	353
Whitby	7	....	7	103	6	109	193	24	217
Windsor	35	2	37	307	60	367	672	40	712
Woodstock	5	....	5	69	3	72	97	1	98
DISTRICT GAOLS									
Bracebridge	2	....	2	97	3	100	8	....	8
Fort Frances	3	1	4	98	8	106	95	2	97
Gore Bay	8	....	8	9	1	10	45	1	46
Haileybury	102	1	103	405	39	441	484	16	500
Kenora	70	9	79	239	20	259	231	12	243
North Bay	170	11	181	302	29	331	378	36	414
Parry Sound	18	1	19	58	17	75	327	27	354
Port Arthur	30	1	31	368	67	435	870	55	925
Sault Ste. Marie	33	3	36	58	7	65	214	10	224
Sudbury	52	7	59	209	80	289	999	51	1,050
Totals	1,323	68	1,391	8,838	1,102	9,940	19,480	1,455	20,935

TABLE

Prisoners Transferred

CITY and COUNTY GAOLS	Sentenced to Gaol and afterwards removed to a Reformatory		Sentenced to Gaol and afterwards removed to an Industrial Farm	Sentenced to and removed to a Reformatory		Sentenced to and removed to an Industrial Farm	Sentenced to and removed to a Penitentiary		
	Male	Female	Male	Male	Female	Male	M.	F.	T.
Barrie	3	1	.....	81	1	.....	11	.....	11
Belleville	.....	1	.....	37	11	.....	3	.....	3
Brampton	1	1	3	3	1	1	1	.....	1
Brantford	14	.....	.....	21	3	10	7	.....	7
Brockville	11	2	.....	28	5	.....	8	.....	8
Cayuga	7	.....	.....	.....	.....	.....	.....	.....	.....
Chatham	4	.....	.....	39	3	.....	7	1	8
Cobourg	6	1	.....	12	.....	.....	3	.....	3
Cornwall	2	.....	.....	24	6	20	6	.....	6
Goderich	1	.....	3	3	.....	.....	1	.....	1
Guelph	1	2	.....	32	9	.....	3	.....	3
Hamilton*	46	11	.....	124	25	.....	24	1	25
Kingston	2	1	.....	21	3	.....	7	.....	7
Kitchener	.....	.....	.....	23	9	9	5	.....	5
Lindsay	.....	.....	.....	13	1	.....	3	.....	3
London	.....	.....	.....	43	14	20	15	3	18
L'Orignal	.....	.....	.....	23	.....	.....	7	.....	7
Milton	.....	.....	.....	5	.....	.....	.....	.....	.....
Napanee	.....	.....	.....	7	1	1	1	.....	1
Orangeville	2	.....	.....	.....	.....	.....	4	.....	4
Ottawa	5	2	1	60	2	34	42	.....	42
Owen Sound	.....	.....	.....	13	1	8	5	.....	5
Pembroke	.....	.....	.....	9	5	10	7	.....	7
Perth	.....	.....	.....	1	.....	.....	1	.....	1
Peterboro	1	2	.....	13	1	.....	.....	.....	.....
Picton	.....	.....	.....	4	.....	.....	1	.....	1
St. Catharines	22	2	.....	.....	.....	.....	5	.....	5
St. Thomas	1	.....	.....	15	.....	.....	7	.....	7
Sarnia	20	.....	8	.....	.....	.....	3	.....	3
Simcoe	.....	.....	.....	11	.....	1	2	.....	2
Stratford	1	.....	.....	9	.....	.....	10	.....	10
Toronto*	1549	148	475	.....	.....	.....	112	3	115
Walkerton	6	.....	.....	25	1	.....	7	.....	7
Welland	4	1	.....	49	1	.....	9	.....	9
Whitby	18	.....	6	.....	.....	.....	12	.....	12
Windsor	3	.....	.....	49	9	30	20	.....	20
Woodstock	.....	.....	.....	19	.....	4	6	.....	6
DISTRICT GAOLS									
Bracebridge	.....	.....	.....	6	.....	14	3	.....	3
Fort Frances	3	.....	.....	.....	.....	3	2	.....	2
Gore Bay	.....	.....	2	2	1	2	3	.....	3
Haileybury	6	4	230	7	9	1	13	.....	13
Kenora	.....	.....	.....	3	2	9	3	.....	3
North Bay	7	9	9	.....	.....	133	12	.....	12
Parry Sound	.....	.....	.....	15	.....	.....	4	.....	4
Port Arthur	2	3	21	1	6	31	14	2	16
Sault Ste. Marie	.....	.....	.....	4	7	26	1	.....	1
Sudbury	6	.....	140	9	13	7	10	.....	10
Totals	1,754	191	898	863	150	374	430	10	440

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* City Gaols.

No. 5.

To Other Institutions.

CITY and COUNTY GAOLS	Sentenced to and removed to an Industrial Refuge			Transferred to an Industrial School			Transferred to a Mental Hospital or to some other place of confinement			Total		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	Male	Fem'l	Total
Barrie		4	4				9	2	11	104	8	112
Belleville							17	5	22	57	17	74
Brampton				1		1	3		3	13	2	15
Brantford				1		1	15	1	16	68	4	72
Brockville				1		1	7	1	8	55	8	63
Cayuga							3		3	10		10
Chatham				3		3	23	1	24	76	5	81
Cobourg				3	1	4	12	2	14	36	4	40
Cornwall		3	3	2	1	3	3	1	4	57	11	68
Goderich							15		15	23		23
Guelph							15	7	22	51	18	69
Hamilton*				2		2	62	3	65	258	40	298
Kingston	1		1				1		1	32	4	36
Kitchener				4		4	11	5	16	52	14	66
Lindsay							3		3	19	1	20
London										78	17	95
L'Orignal				1		1				31		31
Milton	2		2							7		7
Napanee				2		2	2		2	13	1	14
Orangeville					2	2	1		1	7	2	9
Ottawa					2	2	1	1	2	143	7	150
Owen Sound							17	2	19	43	3	46
Pembroke							4		4	30	5	35
Perth	1		1				4		4	7		7
Peterboro										14	3	17
Picton	3		3							8		8
St. Catharines										27	2	29
St. Thomas							2		2	25		25
Sarnia					1	1	4		4	35	1	36
Simcoe							1		1	15		15
Stratford							1		1	21		21
Toronto*				1		1	56	15	71	2,193	166	2,359
Walkerton							9		9	47	1	48
Welland							24	4	28	86	6	92
Whitby							8	2	10	44	2	46
Windsor		2	2	6		6	11	6	17	119	17	136
Woodstock							12		12	41		41
DISTRICT GAOLS												
Bracebridge				1	1	2	6	1	7	30	2	32
Fort Frances				2	1	3	13	2	15	23	3	26
Gore Bay				2		2	1		1	12	1	13
Haileybury							69	5	74	326	18	344
Kenora							24	4	28	39	6	45
North Bay		3	3	1		1	49	10	59	211	22	233
Parry Sound					1	1	5	1	6	24	2	26
Port Arthur	1		1				33	17	50	103	28	131
Sault Ste. Marie							5	1	6	36	8	44
Sudbury		3	3	7	2	9	55	7	62	234	25	259
Totals	8	15	23	40	12	52	616	106	722	4,983	484	5,467

TABLE

Period of Sentences—To Gaols.

CITY and COUNTY GAOLS	Suspended Sentences			Under 30 days			30 days and under 60 days			60 days or 2 months		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Barrie	31	11	42	202	16	218	75	3	78	32	5	37
Belleville	35	3	38	243	6	249	40	2	42	33	5	38
Brampton	16	....	16	18	....	18	6	.....	6	3	..	3
Brantford	46	2	48	207	2	209	66	1	67	14	5	19
Brockville	11	.....	11	152	3	155	40	3	43	27	...	27
Cayuga	2	.....	2	67	1	68	2	1	3	2	1	3
Chatham	78	4	82	359	12	371	9	3	12	41	1	42
Cobourg	15	2	17	79	1	80	19	....	19	8	...	8
Cornwall	23	3	26	149	4	153	54	1	55	7	1	8
Goderich	18	1	19	16	....	16	11	1	12	5	2	7
Guelph	20	1	21	54	1	55	135	6	141	28	3	31
Hamilton*	95	18	113	553	18	571	277	7	284	68	.	68
Kingston	31	15	46	176	7	183	44	5	49	9	3	12
Kitchener	70	1	71	52	....	52	169	5	174	18	2	20
Lindsay	4	2	6	68	2	70	14	.....	14	5	...	5
London	81	8	89	572	45	617	117	10	127	25	4	29
L'Orignal	10	.....	10	34	...	34	5	.....	5	9	..	9
Milton	6	1	7	40	2	42	9	1	10	4	..	4
Napanee	5	.....	5	25	....	25	4	.....	4	3	..	3
Orangeville	....	.....	.....	13	....	13	4	....	4	2	...	2
Ottawa	132	23	155	1,006	31	1,037	211	12	223	23	5	28
Owen Sound	11	5	16	74	....	74	28	3	31	10	1	11
Pembroke	21	.....	21	187	7	194	27	.....	27	18	..	18
Perth	6	1	7	137	2	139	25	.....	25	12	...	12
Peterboro	13	8	21	176	5	181	37	4	41	16	2	18
Picton	10	....	10	24	....	24	2	.....	2	2	..	2
St. Catharines	10	.....	10	131	3	134	43	.....	43	14	2	16
St. Thomas	33	7	40	160	6	166	52	.....	52	9	...	9
Sarnia	10	1	11	122	10	132	36	2	38	9	3	12
Simcoe	21	2	23	88	2	90	10	2	12	4	...	4
Stratford	9	3	12	47	1	48	14	....	14	2	...	2
Toronto*	1,617	336	1,953	2,329	342	2,671	1,306	168	1,474	709	40	749
Walkerton	22	...	22	32	4	36	25	3	28	7	...	7
Welland	47	4	51	271	3	274	84	2	86	30	...	30
Whitby	26	4	30	108	12	120	33	2	35	14	...	14
Windsor	77	8	85	523	13	536	100	3	103	34	2	36
Woodstock	5	2	7	73	...	73	9	.....	9	6	1	7
DISTRICT GAOLS												
Bracebridge	5	1	6	43	....	43	10	.....	10	10	..	10
Fort Frances	35	1	36	63	3	66	24	1	25	6	1	7
Gore Bay	6	.....	6	23	1	24	7	.....	7	3	..	3
Haileybury	3	.....	3	82	1	83	425	27	452	64	1	65
Kenora	44	3	47	194	2	196	76	9	85	40	3	43
North Bay	47	7	54	155	10	165	55	3	58	37	2	39
Parry Sound	6	....	6	228	22	250	18	4	22	10	..	10
Port Arthur	28	3	31	506	19	525	329	34	363	96	16	112
Sault Ste. Marie	....	.....	.....	58	2	60	71	5	76	13	1	14
Sudbury	41	5	46	552	19	571	136	19	155	53	6	59
Totals	2,882	496	3,378	10,471	640	11,111	4,293	352	4,645	1,594	118	1,712

* City Gaols.

No. 6.

Reformatories, Penitentiaries or Elsewhere.

CITY and COUNTY GAOLS	3 months			4 months			5 months			6 months and under 9 months		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Barrie	35	1	36	4	.....	4	.....	.....	.....	8	.....	8
Belleville	12	1	13	.....	.....	.....	.....	.....	.....	6	2	8
Brampton	2	1	3	1	.....	1	.....	.....	.....	1	.....	1
Brantford	33	.....	33	7	.....	7	.....	.....	.....	18	.....	18
Brockville	10	.....	10	1	.....	1	.....	.....	.....	1	.....	1
Cayuga	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1
Chatham	1	2	3	4	.....	4	2	2	4	4	.....	4
Cobourg	6	.....	6	2	.....	2	.....	.....	.....	2	.....	2
Cornwall	14	.....	14	5	1	6	.....	.....	.....	22	2	24
Goderich	3	.....	3	1	.....	1	.....	.....	.....	1	.....	1
Guelph	28	3	31	1	.....	1	.....	.....	.....	15	3	18
Hamilton*	137	11	148	14	.....	14	1	.....	1	17	1	18
Kingston	19	2	21	1	1	2	1	.....	1	11	.....	11
Kitchener	18	4	22	3	.....	3	1	.....	1	10	1	11
Lindsay	5	.....	5	.....	.....	.....	.....	.....	.....	2	.....	2
London	40	10	50	2	1	3	.....	.....	.....	18	1	19
L'Orignal	10	.....	10	.....	.....	.....	.....	.....	.....	5	.....	5
Milton	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Napanee	8	.....	8	.....	1	1	.....	.....	.....	.....	.....	.....
Orangeville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ottawa	72	4	76	6	.....	6	5	1	6	10	1	11
Owen Sound	5	.....	5	3	1	4	.....	.....	.....	5	.....	5
Pembroke	10	.....	10	1	.....	1	2	.....	.....	2	2	4
Perth	9	.....	9	.....	.....	.....	.....	.....	.....	.....	.....	.....
Peterboro	13	1	14	.....	.....	.....	.....	.....	.....	.....	.....	.....
Picton	2	.....	2	.....	.....	.....	.....	.....	.....	3	.....	3
St. Catharines	31	.....	31	.....	.....	.....	.....	.....	.....	7	.....	7
St. Thomas	13	.....	13	.....	.....	.....	1	.....	1	4	.....	4
Sarnia	11	1	12	1	.....	1	.....	.....	.....	.....	.....	.....
Simcoe	6	.....	6	1	.....	1	.....	.....	.....	2	.....	2
Stratford	3	.....	3	4	.....	4	.....	.....	.....	.....	.....	.....
Toronto*	336	21	357	94	1	95	8	.....	8	226	6	232
Walkerton	13	.....	13	1	.....	1	.....	.....	.....	10	1	11
Welland	19	1	20	2	.....	2	1	.....	1	4	1	5
Whitby	25	1	26	7	.....	7	.....	.....	.....	13	.....	13
Windsor	45	4	49	1	.....	1	.....	.....	.....	6	.....	6
Woodstock	7	.....	7	1	.....	1	.....	.....	.....	10	.....	10
DISTRICT GAOLS												
Bracebridge	1	.....	1	.....	.....	.....	1	.....	1	3	.....	3
Fort Frances	9	.....	9	2	1	3	.....	.....	.....	2	.....	2
Gore Bay	1	.....	1	1	.....	1	.....	.....	.....	4	.....	4
Haileybury	156	10	166	5	.....	5	3	.....	3	45	1	46
Kenora	27	4	31	6	.....	6	.....	.....	.....	3	.....	3
North Bay	18	5	23	2	2	4	.....	.....	.....	49	4	53
Parry Sound	4	.....	4	.....	.....	.....	4	1	5	2	.....	2
Port Arthur	58	9	67	17	.....	17	6	1	7	21	3	24
Sault Ste. Marie	18	1	19	7	.....	7	.....	.....	.....	11	.....	11
Sudbury	67	5	72	28	5	33	3	3	6	25	.....	25
Totals	1,361	102	1,463	236	14	250	39	8	47	609	29	638

TABLE

Period of Sentences—To Gaols,

CITY and COUNTY GAOLS	9 months and under 12 months			12 months and under 18 months			18 months and under 24 months			Indeterminate with definite or other sentences		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Barrie	....	....	....	10	1	11	3	4	7	39	....	39
Belleville	....	....	....	4	1	5	4	2	6	33	9	42
Brampton	....	....	....	1	....	1	1	1	2	4	....	4
Brantford	1	....	1	7	3	10	3	....	3	6	....	6
Brockville	....	....	....	....	....	....	....	....	....	24	3	27
Cayuga	1	....	1	....	....	....	....	....	....	8	....	8
Chatham	....	....	....	....	....	....	2	....	2	34	3	37
Cobourg	....	....	....	....	....	....	....	....	....	12	1	13
Cornwall	2	....	2	9	1	10	....	....	....	16	6	22
Goderich	....	....	....	....	....	....	....	....	....	5	....	5
Guelph	1	....	1	10	4	14	....	....	....	8	2	10
Hamilton*	2	....	2	6	....	6	....	....	....	125	26	151
Kingston	5	....	5	6	1	7	3	....	3	3	....	3
Kitchener	1	....	1	10	2	12	5	....	5	4	3	7
Lindsay	....	....	....	1	....	1	1	....	1	8	2	10
London	3	....	3	6	1	7	4	....	4	37	9	46
L'Orignal	....	....	....	2	....	2	....	....	....	20	....	20
Milton	....	....	....	....	....	....	....	....	....	4	....	4
Napanee	....	....	....	3	....	3	1	....	1	6	....	6
Orangeville	....	....	....	1	....	1	....	....	....	1	....	1
Ottawa	....	....	....	....	....	....	....	....	....	87	1	88
Owen Sound	....	....	....	3	....	3	2	....	2	15	....	15
Pembroke	....	....	....	1	1	2	1	....	1	16	1	17
Perth	....	....	....	....	....	....	....	....	....	1	....	1
Peterboro	....	....	....	1	....	1	....	....	....	12	1	13
Picton	....	....	....	....	....	....	....	....	....	4	....	4
St. Catharines	....	....	....	6	1	7	12	....	12	....	1	1
St. Thomas	....	....	....	4	....	4	5	....	5	4	....	4
Sarnia	....	....	....	....	....	....	....	1	1	28	....	28
Simcoe	....	....	....	5	....	5	1	....	1	1	....	1
Stratford	....	....	....	....	....	....	....	....	....	9	....	9
Toronto*	34	3	37	152	2	154	76	4	80	391	7	398
Walkerton	....	....	....	1	....	1	....	....	....	14	1	15
Welland	1	....	1	4	....	4	....	....	....	46	....	46
Whitby	....	....	....	3	....	3	....	....	....	20	....	20
Windsor	3	....	3	10	2	12	5	1	6	57	6	63
Woodstock	....	....	....	3	....	3	1	....	1	8	....	8
DISTRICT GAOLS												
Bracebridge	1	....	1	1	....	1	....	....	....	15	1	16
Fort Frances	....	....	....	1	....	1	....	....	....	6	1	7
Gore Bay	....	....	....	....	....	....	1	....	1	....	1	1
Haileybury	7	....	7	19	....	19	4	....	4	8	8	16
Kenora	....	....	....	1	....	1	....	....	....	11	2	13
North Bay	5	....	5	7	....	7	....	....	....	11	8	19
Parry Sound	1	....	1	6	....	6	2	....	2	....	1	1
Port Arthur	10	....	10	8	2	10	9	....	9	12	4	16
Sault Ste. Marie	....	....	....	1	2	3	....	....	....	21	3	24
Sudbury	....	....	....	12	1	13	1	....	1	38	8	46
Totals	78	3	81	325	25	350	147	13	160	1,232	119	1,351

* City Gaols.

No. 6 (Concluded).

Reformatories, Penitentiaries or Elsewhere.

CITY and COUNTY GAOLS	2 years and over to Penitentiaries			Sentenced to death and executed			Sentenced to death but sentence commuted			Totals		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	Male	Female	Total
Barrie	10	....	10	....	....	....	....	....	....	449	41	490
Belleville	3	....	3	1	....	1	....	....	....	414	31	445
Brampton	1	....	1	1	....	1	....	....	....	55	2	57
Brantford	8	....	8	....	....	....	....	....	....	416	13	429
Brockville	8	....	8	....	....	....	....	....	....	274	9	283
Cayuga	....	....	....	....	....	....	....	....	....	83	3	86
Chatham	7	1	8	....	....	....	....	....	....	541	28	569
Cobourg	3	....	3	....	....	....	....	....	....	146	4	150
Cornwall	5	....	5	....	....	....	....	....	....	306	19	325
Goderich	1	....	1	....	....	....	....	....	....	61	4	65
Guelph	3	....	3	....	....	....	....	....	....	303	23	326
Hamilton*	24	1	25	....	....	....	....	....	....	1,319	82	1,401
Kingston	7	....	7	....	....	....	....	....	....	316	34	350
Kitchener	6	....	6	....	....	....	....	....	....	367	18	385
Lindsay	3	....	3	....	....	....	....	....	....	111	6	117
London	20	3	23	1	....	1	....	....	....	926	92	1,018
L'Orignal	7	....	7	....	....	....	....	....	....	102	....	102
Milton	2	....	2	....	....	....	....	....	....	66	4	70
Napanee	1	....	1	....	....	....	....	....	....	56	1	57
Orangeville	3	....	3	....	....	....	....	....	....	24	....	24
Ottawa	37	....	37	....	....	....	....	....	....	1,589	78	1.667
Owen Sound	5	....	5	....	....	....	....	....	....	161	10	171
Pembroke	7	....	7	....	....	....	....	....	....	293	11	304
Perth	1	....	1	....	....	....	....	....	....	191	3	194
Peterboro	....	....	....	....	....	....	....	....	....	268	21	289
Picton	1	....	1	....	....	....	....	....	....	48	....	48
St. Catharines	4	....	4	....	....	....	....	....	....	258	7	265
St. Thomas	7	....	7	....	....	....	....	....	....	292	13	305
Sarnia	3	....	3	1	....	1	....	....	....	221	18	239
Simcoe	2	....	2	....	....	....	....	....	....	141	6	147
Stratford	10	....	10	....	....	....	....	....	....	98	4	102
Toronto*	112	3	115	1	....	1	....	....	....	7,391	933	8,324
Walkerton	7	....	7	....	....	....	....	....	....	132	9	141
Welland	10	....	10	....	....	....	....	....	....	519	11	530
Whitby	11	....	11	....	....	....	....	....	....	260	19	279
Windsor	19	....	19	....	....	....	....	....	....	880	39	919
Woodstock	6	....	6	....	....	....	....	....	....	129	3	132
DISTRICT GAOLS												
Bracebridge	3	....	3	....	....	....	....	....	....	93	2	95
Fort Frances	1	....	1	....	....	....	....	....	....	149	8	157
Gore Bay	3	....	3	....	....	....	....	....	....	49	2	51
Haileybury	10	....	10	....	....	....	....	....	....	831	48	879
Kenora	3	....	3	....	....	....	....	....	....	405	23	428
North Bay	12	....	12	....	....	....	....	....	....	398	41	439
Parry Sound	5	....	5	....	....	....	....	....	....	286	28	314
Port Arthur	14	2	16	....	....	....	....	....	....	1,114	93	1,207
Sault Ste. Marie	1	....	1	....	....	....	....	....	....	201	14	215
Sudbury	10	....	10	....	....	....	....	....	....	966	71	1,037
Totals	426	10	436	5	....	5	....	....	....	23,698	1,929	25,627

TABLE

Cell Accommodation: Days Stay: Greatest, Least and Average Number of

CITY and COUNTY GAOLS	Male accomodation	Female accomodation	Greatest No. of Male and Female prisoners during year	Greatest No. of Male prisoners during year	Greatest No. of Female prisoners during year	Least No. of Male and Female prisoners during year	Least No. of Male prisoners during year	Least No. of Female prisoners during year	Average daily gaol population.
Barrie	24	3	50	45	7	18	17	......	31.2
Belleville	18	6	56	50	6	13	13	......	29.6
Brampton	24	8	13	12	1	5	1	......	4.6
Brantford	24	8	47	45	4	9	9	......	29.5
Brockville	24	4	24	27	4	5	4	......	17.1
Cayuga	8	4	10	8	2	1	1	......	4.6
Chatham	35	6	46	44	4	21	19	......	32.4
Cobourg	22	6	20	19	3	12	3	......	10.6
Cornwall	18	4	39	38	3	13	11	......	24.
Goderich	9	3	27	26	3	......	......	......	7.1
Guelph	28	6	42	41	7	14	9	......	24.7
Hamilton*	85	13	137	134	9	79	76	1	105.
Kingston	31	15	30	28	5	15	12	......	21.8
Kitchener	45	5	39	40	5	16	15	......	27.3
Lindsay	30	6	20	19	1	1	1	......	6.9
London	72	9	98	86	12	36	34	2	61.7
L'Original	18	6	17	17	1	15	3	......	10.1
Milton	17	6	8	10	2	......	......	......	3.
Napanee	19	5	11	11	1	......	......	......	4.4
Orangeville	18	5	6	6	2	......	......	......	1.3
Ottawa	114	24	108	106	15	54	49	......	84.2
Owen Sound	34	3	27	27	3	3	3	......	13.9
Pembroke	24	8	29	29	4	13	9	......	17.4
Perth	18	6	26	25	2	1	1	......	11.2
Peterboro	18	6	33	32	4	10	9	......	18.6
Picton	15	3	6	6	1	2	1	......	2.6
St. Catharines	35	8	32	29	3	13	5	......	22.9
St. Thomas	13	4	28	26	3	5	5	......	15.2
Sarnia	31	6	29	28	6	6	6	......	17.9
Simcoe	19	5	14	17	3	4	2	......	7.1
Stratford	23	4	10	17	2	3	2	......	7.1
Toronto*	248	39	354	323	41	162	126	15	280.
Walkerton	28	4	25	24	3	6	2	......	11.2
Welland	54	9	57	56	2	13	13	......	36.3
Whitby	23	6	36	36	3	11	8	......	21.1
Windsor	81	30	88	81	15	34	27	1	55.5
Woodstock	24	5	14	17	2	6	3	......	8.5
DISTRICT GAOLS									
Bracebridge	8	2	11	11	1	......	......	......	4.7
Fort Frances	20	4	12	15	5	4	3	......	9.4
Gore Bay	9	2	6	9	1	......	......	......	3.2
Haileybury	27	3	128	124	12	50	47	1	77.2
Kenora	20	6	59	54	9	15	15	......	33.9
North Bay	50	9	72	68	8	13	8	......	36.4
Parry Sound	20	2	22	20	5	8	4	......	12.7
Port Arthur	64	9	132	125	19	62	58	2	93.1
Sault Ste. Marie	20	3	40	35	6	9	7	......	22.1
Sudbury	59	10	138	126	12	36	32	2	65.4
Totals									

*City Gaols

No. 7.

Prisoners for the Year Ending March 31st, 1941.

CITY and COUNTY GAOLS	Number committed during year	Number paid for by province	Number paid for by municipality	Number of days stay of government prisoners	Number of days stay of municipality prisoners	Total number of days stay of all prisoners
Barrie	596	165	431	4,406	6,997	11,403
Belleville	538	124	414	4,548	6,268	10,816
Brampton	94	34	60	666	997	1,663
Brantford	543	66	477	2,966	7,796	10,762
Brockville	316	100	216	2,005	4,220	6,225
Cayuga	111	15	96	608	1,086	1,694
Chatham	621	163	458	2,708	9,110	11,818
Cobourg	222	46	176	1,656	2,229	3,885
Cornwall	387	164	223	4,865	3,889	8,754
Goderich	139	71	68	1,745	861	2,606
Guelph	415	80	335	2,003	7,016	9,019
Hamilton*	1,736	346	1,390	8,258	30,070	38,328
Kingston	415	138	277	2,878	5,082	7,960
Kitchener	526	62	464	2,186	7,771	9,957
Lindsay	139	31	108	895	1,628	2,523
London	1,321	290	1,031	6,614	15,890	22,504
L'Orignal	149	86	63	2,178	1,497	3,675
Milton	86	34	52	595	484	1,079
Napanee	75	31	44	1,254	360	1,614
Orangeville	33	7	26	185	273	458
Ottawa	2,019	447	1,572	10,098	20,645	30,743
Owen Sound	219	86	133	2,637	2,427	5,064
Pembroke	435	102	333	2,056	4,278	6,334
Perth	226	44	182	1,224	2,864	4,088
Peterboro	341	41	300	1,253	5,525	6,778
Picton	68	9	59	386	558	944
St. Catharines	307	46	261	1,358	6,985	8,343
St. Thomas	340	54	286	1,317	4,223	5,540
Sarnia	301	68	233	2,351	4,190	6,541
Simcoe	206	39	167	796	1,799	2,595
Stratford	134	36	98	1,268	1,340	2,608
Toronto*	9,420	1,845	7,575	19,216	83,001	102.217
Walkerton	190	91	99	2,259	1,843	4,102
Welland	657	155	502	3,527	9,728	13,255
Whitby	326	104	222	2,708	4,981	7,689
Windsor	1,079	268	811	3,790	16,465	20,255
Woodstock	170	57	113	1,566	1,542	3,108
DISTRICT GAOLS						
Bracebridge	108	108	....	1,729	....	1,729
Fort Frances	203	203	....	3,414	....	3,414
Gore Bay	56	56	....	1,163	....	1,163
Haileybury	944	944	....	28,187	....	28,187
Kenora	502	502	....	12,358	....	12,358
North Bay	745	745	....	13,293	....	13,293
Parry Sound	429	429	....	4,618	....	4,618
Port Arthur	1,360	222	1,138	9,608	24,387	33,995
Sault Ste. Marie	289	289	....	8,084	....	8,084
Sudbury	1,339	1,339	....	23,884	....	23,884
Totals	30,875	10,382	20,493	217,367	310,305	527,672

* City Gaols.

TABLE No. 8.

Maintenance and Average Cost of Each Prisoner and Total Cost for Year in City, County and District Gaols.

CITY and COUNTY GAOLS	Cost of food, clothing, fuel and ordinary maintenance	Cost of officer's salaries	Cost of alterations, additions and repairs to Buildings	Total expenditure for maintenance for the year	Average Cost of each prisoner per day	Average cost per day for food, clothing, fuel and ordinary maintenance	Daily per capita dietary cost
Barrie..........	$ 4,707.59	$ 5,301.42	$ 672.90	$ 10,681.91	$ .94	$ .4128	$.1551
Belleville.......	3,481.94	3,420.00	40.00	6,941.94	.64	.3219	.1482
Brampton.......	1,445.48	2,653.00	352.59	4,451.07	2.88	.8692	.2049
Brantford.......	2,800.00	7,165.25	300.00	10,265.25	.95	.2602	.1443
Brockville.......	1,731.33	4,013.92	1,084.30	6,829.55	1.09	.2781	.1533
Cayuga.........	599.44	2,677.00	....	3,276.44	1.93	.3589	.1672
Chatham.......	4,407.71	5,652.50	517.21	10,577.42	.90	.3730	.1258
Cobourg........	2,109.93	2,534.50	198.92	4,843.35	1.25	.5481	.1315
Cornwall........	3,295.65	6,787.50	216.92	10,300.07	1.18	.3765	.1475
Goderich........	1,309.57	2,470.50	242.60	4,022.67	1.54	.5025	.1404
Guelph.........	2,923.72	4,999.00	1,163.68	9,086.40	1.01	.3242	.1454
Hamilton*......	11,200.00	21,445.00	4,658.00	37,303.00	.97	.2922	.1868
Kingston........	2,434.49	4,575.73	370.73	7,380.95	.93	.3058	.1425
Kitchener.......	4,349.28	5,387.00	26,521.08	36,257.36	3.64	.4868	.1627
Lindsay.........	1,504.48	3,159.75	234.79	4,899.02	1.94	.5968	.1328
London.........	6,865.68	13,408.87	44.00	20,318.55	.90	.3051	.1617
L'Orignal.......	1,413.28	2,504.25	490.00	4,407.53	1.20	.3846	.1888
Milton..........	689.33	2,210.04	....	2,899.37	2.69	.6389	.1704
Napanee........	770.80	2,504.04	260.90	3,535.74	2.19	.4776	.1238
Orangeville......	1,119.39	2,655.00	248.00	4,022.39	8.78	2.4441	.1950
Ottawa.........	16,494.57	20,084.96	2,938.71	39,518.24	1.29	.5365	.1575
Owen Sound.....	2,171.37	3,542.50	1,101.10	6,814.97	1.35	.4288	.1556
Pembroke.......	1,431.08	3,204.00	....	4,635.08	.73	.2259	.1546
Perth...........	1,212.17	3,105.14	1,980.26	6,297.57	1.54	.2965	.1772
Peterboro.......	2,185.40	5,365.00	2,890.99	10,441.39	1.54	.3224	.1600
Picton..........	1,319.72	1,834.99	....	3,154.71	3.34	1.3981	.2106
St. Catharines...	2,045.18	3,715.00	168.33	5,928.51	.71	.2451	.1400
St. Thomas.....	2,337.44	4,783.59	312.32	7,433.35	1.34	.4219	.1604
Sarnia..........	2,457.58	5,066.00	210.00	7,733.58	1.18	.3757	.1608
Simcoe.........	1,417.31	2,752.50	563.47	4,733.28	1.82	.5462	.1488
Stratford........	1,642.65	3,378.00	810.73	5,831.38	2.23	.2619	.1305
Toronto*.......	26,554.32	67,714.50	3,682.35	97,951.17	.96	.2598	.1418
Walkerton......	924.66	3,129.40	....	4,054.06	.99	.2254	.1358
Welland........	4,064.12	6,176.50	14,901.36	25,141.98	1.90	.3066	.1774
Whitby.........	4,221.48	4,260.50	189.83	8,671.81	1.13	.5490	.1681
Windsor........	9,702.90	14,477.62	794.51	24,975.03	1.23	.4790	.1699
Woodstock......	1,854.85	3,049.00	1,147.57	6,051.42	1.95	.5968	.1190
DISTRICT GAOLS							
Bracebridge.....	395.81	2,497.00	7.20	2,900.01	1.68	.2289	.1563
Fort Frances....	842.08	5,437.92	3.05	6,283.05	1.84	.2467	.1586
Gore Bay.......	759.83	1,909.70	50.00	2,719.53	2.34	.6533	.1794
Haileybury......	7,876.85	11,872.08	....	19,748.93	.70	.2794	.1466
Kenora.........	5,195.41	7,942.53	33.94	13,171.88	1.07	.4204	.1673
North Bay......	5,127.15	10,447.86	305.08	15,880.09	1.19	.3857	.1647
Parry Sound.....	1,360.27	4,245.30	25.00	5,630.57	1.22	.2946	.1644
Port Arthur....	15,845.67	16,697.33	....	32,543.00	.96	.4661	.2175
Sault Ste. Marie.	4,220.30	5,590.00	202.15	10,012.45	1.24	.5221	.1621
Sudbury........	8,525.94	11,797.50	100.00	20,423.44	.86	.3570	.1637
Totals......	$191,345.20	$ 339,600.69	$ 70,034.57	$ 600,980.46	1.14	.3626	.1597

*City Gaols,

REPORT

OF THE

Minister of Public Welfare

Province of Ontario

FOR THE FISCAL YEAR

1939—1940

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO
SESSIONAL PAPER No. 19, 1941

ONTARIO

TORONTO
Printed and Published by T. E. Bowman, Printer to the King's Most
Excellent Majesty, 1941

TO:

THE HONOURABLE ALBERT MATTHEWS,
Lieutenant-Governor of the Province of Ontario, in Council.

MAY IT PLEASE YOUR HONOUR:

The undersigned has the honour to transmit herewith the Ninth Annual Report of the Department of Public Welfare for the fiscal year 1939-1940.

I have the honour to be, Sir,

Your obedient servant,

N. O. HIPEL,
Minister.

TORONTO,
March 31st, 1940.

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TO THE HONOURABLE N. O. HIPEL,

Minister of Public Welfare.

I beg to submit herewith a report covering the activities of the Department of Public Welfare for the fiscal year commencing April 1st, 1939 and ending March 31st, 1940;

The period under review encompasses the first seven months of the second World War. In the field of Unemployment Relief, for example, the impact of the conflict upon this country's welfare services was not immediate; Unemployment Relief continued as a major problem with relatively small improvement noted during the period covered by this report.

In later months, however, the slight downward trend in evidence in the early part of 1940 became accentuated and the question of providing relief for employable persons is confidently expected to become a diminishing problem as the War continues. The problem of the unemployable person and his dependents continues, however, and as this is written, it is this class which forms the bulk of persons in receipt of relief.

At the same time other welfare services stand to be affected by the accelerated economic pace which wartime demands. Greater opportunities for employment have made it possible in a great many instances for persons in receipt of provincial aid, either through old age pensions or mothers' allowances, to receive a greater measure of assistance from children and other relatives, thereby relieving the demands upon the Provincial Treasury. As a corollary, however, new problems have arisen as a result of the war in the field of Children's Aid work, a salient feature of which is the vastly increased number of adoptions completed. In the main this development is the result of a desire on the part of the families concerned to make adequate provision for children who had been living in their homes for some years, and whose security might be threatened in the future by the uncertainty of war.

The improvement in the economic picture reposes in the Department of Public Welfare an even greater responsibilty than existed before in exercising careful supervision over all welfare expenditures in order that full advantage might be taken of this altered situation. Although the aggregate expenditure for welfare services must decline to some extent, it is essential that the high standard of investigation procedure, with its attendant safeguards, be maintained in order that there be no weakening in the high standard of administrative work attained in recent years.

In this connection the Department recognizes a two-fold responsibility—to the taxpayers of the Province who must provide the funds to assist those in need; and to the persons who have a just claim upon provincial assistance. It is too frequently overlooked that the present organization of trained investigators is designed to provide assistance and advice and to ensure sympathetic consideration of every case.

Although not coming within the full scope of this report, it must be mentioned that early in 1940 the Provincial Government, through its Department of Public Welfare, indicated to the Federal authorities its willingness to co-operate to the utmost in any program which might be undertaken having as its object the placing of British children in homes of this Province for the duration of the War. With the active assistance of Children's Aid Societies and officials throughout the Province, extensive plans were made in this direction and the interest of the people as a whole solicited. The response was marked and promises well for the ultimate success of this most worth-while undertaking.

All of which is respectfully submitted,

G. S. TATTLE,

Deputy Minister of Public Welfare.

Department of Public Welfare

FINANCIAL REPORT

For Fiscal Year 1939–40

SUMMARY

Department of Public Welfare, Year Ended March 31st, 1940

	Ordinary Expenditure	Capital Payments
Main Office	$ 214,757.43	
Children's Aid	162,906.42	
Mothers' Allowances	5,145,960.84	
Old Age Pensions	3,422,821.95	10,076,538.43
Unemployment Relief	9,041,953.41	
	$17,988,400.05	$10,076,538.43

MAIN OFFICE	Ordinary Expenditure	Capital Payments
Minister's Salary	$ 8,000.00	
Permanent Salaries	18,893.75	
Temporary Salaries	174.17	
Travelling Expenses	1,852.94	
Purchase of Equipment	310.74	
Stationery and Printing	1,720.73	
Telegraph and Telephone	342.72	
Miscellaneous	86.78	
Maintenance of Indigents	9,982.00	
Burial of Indigents	2,316.85	
Transportation of Indigents	132.35	
Grants:		
Refuges	83,958.75	
Orphanages	61,852.65	
Soldiers' Aid Commission	22,820.00	
Memorial Wreaths	2,313.00	
	$ 214,757.43	

CHILDREN'S AID	
Permanent Salaries	$ 33,235.42
Temporary	1,206.25
Travelling Expenses	3,268.96
Purchase of Equipment	—
Stationery and Printing	2,485.38
Telephone and Telegraph	47.89
Miscellaneous	162.05
C.U.P.A. Travelling Expenses	9,059.77
C.U.P.A. Maintenance	55,906.64
C.U.P.A. Legal	3,434.06
C.U.P.A. Miscellaneous	—
Grants:	
Salaries of Local Superintendents	54,100.00
	$ 162,906.42

MOTHERS' ALLOWANCES COMMISSION

Permanent Salaries	$ 62,201.84
Temporary Salaries	2,454.05
Travelling Expenses	16,328.42
Purchase of Equipment	7.50
Stationery and Printing	3,159.59
Telephone and Telegraph	41.03
Local Board Expenses	2,268.84
Sundry Administration	2,176.26
Miscellaneous	36.81
Allowances, M. A. Act	5,057,286.50
	$ 5,145,960.84

OLD AGE PENSIONS COMMISSION

Permanent Salaries	$ 88,893.61	
Temporary	6,444.88	
Travelling Expenses	17,595.16	
Purchase of Equipment	732.06	
Stationery and Printing	8,634.28	
Telephone and Telegraph	32.51	
Registration Fees	1,422.64	
Miscellaneous	724.99	
Pensions:		
Old Age Pensions	3,223,366.81	9,849,654.60
Pensions for the Blind	74,975.01	226,883.83
	$ 3,422,821.95	10,076,538.43

UNEMPLOYMENT RELIEF BRANCH	Gross Expenditure	Refunds	Net Expenditures
Direct Relief	$ 16,252,503.60	$ 7,465,134.60	$ 8,787,369.00
Transients	10,862.14	4,819.76	6,042.38
Mothers' Allowances Fuel	23,115.87	....	23,115.87
Interned Aliens	4,150.30	262.32	3,887.98
Farm Rehabilitation	12,710.76	7.42	12,703.34
Farm Re-establishment	3,690.19	....	3,690.19
Special Farm Project	210.00	....	210.00
Vacant Land Cultivation	24.00	....	24.00
	$ 16,307,266.86	$ 7,470,224.10	$ 8,837,042.76
RELIEF WORKS	452.21	....	452.21
ADMINISTRATION			
Main Office	99,509.44	64.80	99,444.64
District	105,013.80	....	105,013.80
	204,523.24	64.80	204,458.44
Total	$ 16,512,242.31	$ 7,470,288.90	$ 9,041,953.41

RECEIPTS

CHILDREN'S AID BRANCH	Ordinary Revenue	Capital Receipts
Miscellaneous	29.25	
OLD AGE PENSION COMMISSION		
Dominion—Old Age Pensions		9,770,254.94
Dominion—Pensions for the Blind		225,446.58
Other Provinces—Old Age Pensions		85,653.47
Other Provinces—Pensions for the Blind		1,301.93
	$ 29.25	$ 10,082,656.92

OLD AGE PENSIONS AND PENSIONS FOR THE BLIND

Disbursements and Receipts
Fiscal Year 1939 - 40

DISBURSEMENTS

	Old Age Pensions	Pensions for the Blind	Total
TOTAL CHEQUES ISSUED			
Dominion	$ 9,989,620.64	$ 227,454.05	$ 10,217,074.69
Ontario	3,299,565.63	75,644.17	3,375,209.80
Other Provinces	79,399.66	1,437.25	80,836.91
	$13,368,585.93	$ 304,535.47	$ 13,673,121.40
CANCELLED CHEQUES			
Dominion	117,375.54	1,045.00	118,420.54
Ontario	39,125.19	348.34	39,473.53
Other Provinces	....	....	....
	156,500.73	1,393.34	157,894.07
CASH REFUNDS			
Dominion	101,990.16	962.47	102,952.63
Ontario	37,073.63	320.82	37,394.45
Other Provinces	....	....	....
	139,063.79	1,283.29	140,347.08
NET TOTAL PAYABLE BY			
Dominion	9,770,254.94	225,446.58	9,995.701.52
Ontario	3,223,366.81	74,975.01	3,298,341.82
Other Provinces	79,399.66	1,437.25	80,836.91
	$13,073,021.41	$ 301,858.84	$ 13,374,880.25

RECEIPTS

	Old Age Pensions		Pensions for the Blind	
	1938-39	1939-40	1938-39	1939-40
DOMINION OF CANADA		9,770,254.94		225,446.58
OTHER PROVINCES				
Alberta	2,055.52	5,802.14	15.00	63.50
Manitoba	3,715.56	10,405.42	42.93	175.75
British Columbia	1,632.93	3,394.33	2.25	24.25
New Brunswick	476.57	1,406.94	6.75	20.25
Nova Scotia	950.18	2,046.24	9.75	22.50
Prince Edward Island	104.79	54.01	....	....
Quebec	6,053.28	19,000.72	96.75	335.25
Saskatchewan	11,665.26	16,889.58	102.50	384.50
	26,654.09	9,829,254.32	275.93	226,472.58
TOTAL RECEIPTS				$10,082,656.92

EXPENDITURES, ACCORDING TO LOCAL BOARDS

COUNTIES	Old Age Pensions	Pensions For the Blind	Total
Brant	$ 84,118.54	$ 1,940.00	
Bruce	148,264.93	3,400.00	
Carleton	152,737.52	4,330.00	
Dufferin	59,690.59	1,240.00	
Dundas	64,180.98	960.00	
Elgin	136,724.00	3,352.00	
Essex	199,967.92	4,794.80	
Frontenac	109,008.02	1,190.80	
Glengarry	99,216.91	2,795.84	
Grey	173,430.37	3,299.92	
Haldimand	74,356.00	1,560.00	
Halton	99,414.00	1,920.00	
Hastings	223,076.97	7,455.00	
Huron	181,109.06	3,740.00	
Kent	157,666.84	4,345.00	
Lambton	131,168.01	4,194.92	
Lanark	118,042.99	3,540.00	
Leeds and Grenville	184,454.19	3,233.92	
Lennox and Addington	106,616.52	1,760.00	
Lincoln	112,542.46	2,405.55	
Middlesex	176,498.65	3,801.50	
Norfolk	120,658.15	4,180.00	
Northumberland and Durham	258,957.04	5,233.04	
Ontario	161,618.55	2,920.00	
Oxford	102,941.57	1,120.00	
Peel	100,138.26	1,916.92	
Perth	85,919.87	1,508.00	
Peterborough	95,208.06	1,123.30	
Prescott and Russell	108,798.93	5,460.00	
Prince Edward	95,131.82	1,480.00	
Renfrew	221,365.35	8,897.43	
Russell	81,279.55	1,760.00	
Simcoe	394,735.26	8,397.95	
Stormont	128,794.05	6,249.33	
Victoria	113,269.13	3,552.98	
Waterloo	130,872.33	2,240.00	
Welland	149,663.84	1,620.00	
Wellington	123,964.91	2,940.00	
Wentworth	122,135.31	1,330.00	
York	657,191.10	9,800.00	
	6,044,928.55	136,988.20	
Less Inter-Provincial Accounts Receivable	71,661.32	2,119.75	
	$5,973,267.23	$134,868.45	$6,108,135.68

TOWNS

	Old Age Pensions	Pensions For the Blind	Total
Brockville	$ 47,588.60	200.00	
Gananoque	19,989.60	1,091.67	
Ingersoll	21,059.69	360.00	
Prescott	11,558.25	240.00	
St. Marys	16,855.89	240.00	
Smith's Falls	27,039.62	1,300.00	
Timmins	23,611.78	480.00	
Trenton	35,084.20	760.00	
	202,787.63	4,671.67	
Less Inter-Provincial Accounts Receivable	3,732.60		
	$ 199,055.03	$ 4,671.67	$ 203,726.70

CITIES

	Old Age Pensions	Pensions For the Blind	Total
Belleville	$ 55,451.02	3,060.00	
Brantford	166,024.78	4,851.82	
Chatham	66,460.27	810.00	
Fort William	46,036.77	1,590.00	
Galt	70,014.48	971.61	
Guelph	82,378.59	1,840.00	
Hamilton	553,675.38	17,268.03	
Kingston	96,307.88	2,580.00	
Kitchener	88,743.65	1,440.00	
London	300,792.97	7,469.92	
Niagara Falls	50,217.47	2,260.00	
North Bay	46,669.76	658.71	
Oshawa	70,316.81	851.03	
Ottawa	477,599.47	13,665.53	
Owen Sound	69,766.12	1,200.00	
Peterborough	92,058.36	1,989.32	
Port Arthur	48,733.72	1,160.72	
St. Catharines	85,194.95	1,920.00	
St. Thomas	63,344.74	1,360.00	
Sarnia	58,331.32	600.00	
Sault Ste. Marie	65,385.77	1,400.00	
Stratford	76,361.36	1,734.64	
Sudbury	40,003.85	760.00	
Toronto	2,489,298.57	55,344.86	
Welland	17,272.11	240.00	
Windsor	291,837.48	4,300.00	
Woodstock	45,718.03	1,200.00	
	5,613,995.68	132,526.19	
Less Inter-Provincial Accounts Receivable	86,296.69	1,470.00	
	$5,527,698.99	$131,056.19	$5,658,755.18

	Old Age Pensions	Pensions For the Blind	Total
DISTRICTS			
Algoma	$ 122,212.30	3,100.00	
Cochrane	84,569.38	2,304.00	
Haliburton	36,355.49	480.00	
Kenora	59,934.68	1,635.15	
Manitoulin	35,162.86	940.00	
Muskoka	102,701.64	1,095.00	
Nipissing	128,091.08	2,705.20	
Parry Sound	127,386.66	3,880.00	
Rainy River	73,215.96	1,340.00	
Sudbury	110,427.07	3,540.00	
Temiskaming	99,565.72	2,760.00	
Thunder Bay	40,012.65	1,450.00	
	1,019,635.49	25,229.35	
Less Inter-Provincial Accounts Receivable	27,462.39	1,096.00	
	$ 992,173.10	$ 24,133.35	$1,016,306.45
OTHER PROVINCES			
Alberta	$ 15,585.62		
British Columbia	11,161.28	40.00	
Manitoba	24,803.73		
Saskatchewan	51,318.49	620.00	
Nova Scotia	1,629.80		
New Brunswick	1,450.28		
Prince Edward Island	75.00		
Quebec	36,558.07	520.00	
	142,582.27	1,180.00	
Less Inter-Provincial Accounts Receivable	128,445.66	1,090.00	
	$ 14,136.61	$ 90.00	$ 14,226.61
OTHER PROVINCES—ACCOUNTS PAYABLE			
Alberta	$ 5,974.92	155.50	
British Columbia	10,773.61	147.00	
Manitoba	6,971.55	98.53	
Saskatchewan	6,893.84	47.25	
New Brunswick	349.29	78.00	
Nova Scotia	782.89		
Prince Edward Island	27.46		
Quebec	17,318.23	737.15	
	$ 49,091.79	$ 1,263.43	$ 50,355.22
OTHER PROVINCES—ACCOUNTS RECEIVABLE			
Alberta	$ 31,122.03	377.00	
British Columbia	18,240.97	133.00	
Manitoba	55,647.02	943.75	
Saskatchewan	91,167.29	2,169.00	
New Brunswick	7,503.77	108.00	
Nova Scotia	11,286.05	120.00	
Prince Edward Island	310.50		
Quebec	102,321.03	1,925.00	
	317,598.66	5,775.75	323,374.41
	$13,073,021.41	$301,858.84	$13,374,880.25

ACCOUNTS RECEIVABLE

OLD AGE PENSIONS AND PENSIONS FOR THE BLIND

	Outstanding Mar. 31/39	Charged 1939 - 1940	Receipts 1939 - 1940	Outstanding Mar. 31/40
DOMINION OF CANADA				
Old Age Pensions		$ 9,770,254.94	$ 9,770,254.94	
Pensions for the Blind		225,446.58	225,446.58	
OTHER PROVINCES				
Old Age Pensions	$26,654.09	79,399.66	85,653.47	20,400.28
Pensions for the Blind	275.93	1,437.25	1,301.93	411.25
	$26,930.02	$10,076,538.43	$10,082.656.92	$20,811.53

	Old Age Pensions	Pensions For the Blind	Total
Alberta	$ 1,978.35	29.25	
British Columbia	1,165.91	9.00	
Manitoba	3,506.33	60.00	
New Brunswick	469.00	6.75	
Nova Scotia	775.29	7.50	
Prince Edward Island	23.63		
Quebec	6,579.52	141.00	
Saskatchewan	5,902.25	157.75	
	$ 20,400.28	$ 411.25	$ 20,811.53

MOTHERS' ALLOWANCES COMMISSION

Disbursements and Receipts
Fiscal Year 1940—41

DISBURSEMENTS

Total Cheques Issued	$5,092,806.00	
Less Cancelled Cheques	15,720.00	5,077,086.00
Less Cash Refunds		4,601.00
		$ 5,072,485.00

RECEIPTS

Indian Affairs:		
April 1, 1937—March 31, 1939	$ 8,428.50	
April 1, 1939—March 31, 1940	6,770.00	15,198.50
Net Payments		$ 5,057,286.50

EXPENDITURES ACCORDING TO LOCAL BOARDS

COUNTIES

Brant	$ 15,120.00	
Bruce	43,400.00	
Carleton	39,815.00	
Dufferin	11,325.00	
Dundas	15,185.00	
Durham	22,381.00	
Elgin	25,525.00	
Essex	58,470.00	
Frontenac	18,405.00	
Glengarry	36,575.00	
Grenville	13,435.00	
Grey	48,820.00	
Haldimand	22,760.00	
Haliburton	9,930.00	
Halton	18,940.00	
Hastings	57,520.00	
Huron	31,705.00	
Kent	40,670.00	
Lambton	21,450.00	
Lanark	29,090.00	
Leeds	26,585.00	
Lennox and Addington	19,160.00	
Lincoln	20,720.00	
Middlesex	30,400.00	
Norfolk	37,725.00	
Northumberland	34,970.00	
Ontario	34,080.00	
Oxford	17,265.00	
Peel	20,885.00	
Perth	14,820.00	
Peterboro	28,305.00	
Prescott	46,550.00	
Prince Edward	16,385.00	
Renfrew	91,674.00	
Russell	31,680.00	
Simcoe	134,065.00	
Stormont	93,558.00	
Victoria	27,940.00	
Waterloo	32,485.00	
Welland	57,875.00	
Wellington	30,810.00	
Wentworth	22,200.00	
York	363,163.00	
		$ 1,813,821.00

TOWNS

Brockville	11,900.00	
Gananoque	6,455.00	
Ingersoll	12,990.00	
Prescott	4,600.00	
St. Marys	7,075.00	
Smiths Falls	6,180.00	
Trenton	12,325.00	
Indian Reserves	9,058.00	
	$	70,583.00

CITIES

Belleville	35,945.00	
Brantford	61,330.00	
Chatham	32,330.00	
Fort William	54,690.00	
Galt	19,920.00	
Guelph	38,180.00	
Hamilton	264,592.00	
Kingston	52,665.00	
Kitchener	50,520.00	
London	112,143.00	
Niagara Falls	36,645.00	
North Bay	36,660.00	
Oshawa	37,048.00	
Ottawa	281,123.00	
Owen Sound	29,130.00	
Peterboro	51,527.00	
Port Arthur	33,625.00	
St. Catharines	45,880.00	
St. Thomas	32,305.00	
Sarnia	22,340.00	
Sault Ste. Marie	44,950.00	
Stratford	31,165.00	
Sudbury	47,060.00	
Toronto	1,075,109.00	
Welland	22,900.00	
Windsor	154,134.00	
Woodstock	21,800.00	
	$	2,725,716.00

DISTRICTS

Algoma	32,790.00	
Cochrane	97,685.00	
Kenora	25,610.00	
Manitoulin	12,225.00	
Muskoka	33,810.00	
Nipissing	54,240.00	
Parry Sound	42,085.00	
Rainy River	28,130.00	
Sudbury	59,060.00	
Temiskaming	60,500.00	
Thunder Bay	16,230.00	462,365.00
	$	5,072,485.00

LESS

Dominion Government Payment, Indian Affairs		
April 1, 1937—March 31, 1939	8,428.50	
April 1, 1939—March 31, 1940	6,770.00	15,198.50
		$ 5,057,286.50

S. J. GADSBY,
Chief Accountant.

ANNUAL REPORT OF THE OLD AGE PENSIONS COMMISSION

DEPARTMENT OF PUBLIC WELFARE

Fiscal Year Ending March 31st, 1940

The Old Age Pensions Act came into effect in the Province of Ontario on November 1st, 1929. Since that date there has been a gradual increase in the number of beneficiaries. At the end of this fiscal year, 59,717 persons were in receipt of this form of assistance, representing an annual outlay of $13,073,021.00.

The fiscal year under review covers the first seven months of the present World War, a conflict which affects every department of governmental activity as well as the personal interests of every individual citizen. Insofar as Old Age Pensioners are concerned, it is heartening to report that even those who are receiving state aid have not been remiss in manifesting the spirit of self-denial and loyalty. Many of our pensioners are working daily, as much as they can, sewing and knitting articles for the soldiers, while in some cases, those who have been receiving this assistance have requested that their pensions be reduced and even suspended for the duration of the War. It is with pardonable pride that the Commission brings to the attention of the taxpayers of Ontario this spirit of self-sacrifice.

The children of many pensioners are now serving in our armed forces, with the result that insofar as dependency can be proven, their parents have become eligible for Federal assistance, thus relieving our Province from further responsibility as regards the Old Age Pension.

Many difficulties in the administration of the Act which had heretofore been the cause of regrettable delay, have been overcome. It is hoped that with the continued and closer co-operation of all bodies having to do with this service, further progress can be made to expedite the passing of applications by the Commission so that the applicant may receive a decision at the earliest possible moment.

Recognition is due the Municipal Clerks of the Province and the Local Boards for the excellent service they are rendering the Commission in carrying out their duties under the Act. Another important activity which merits mention is the work of the Provincial Investigators, whose duties take them into every corner of the Province.

Special attention has been paid by the Commission to the recovery, where possible, of funds advanced to pensioners whose estates disclose assets following their death. The amount of such recoveries has been increased during recent years at a rapid rate.

The Old Age Pension Commission is also charged with administration of the Act as it affects blind persons. With the end of the present fiscal year there were 1,333 such cases in Ontario, representing an expenditure of $301,859.00 during the year.

In conclusion the Commission is pleased to report a more co-operative spirit shown by our citizens as a whole and particularly by the legal profession of the Province, who are in a position to render marked assistance to the end of just and efficient administration of the Act.

J. A. FAULKNER,
Chairman.

G. S. TATTLE,
Vice-Chairman.

C. H. GREEN,
Commissioner.

STATISTICAL REPORT OF OLD AGE PENSIONS FOR THE YEAR 1939 - 1940 (FISCAL)

CITIES	NUMBER OF PENSIONS										ELIGIBLE													RECONSIDERED					INELIGIBLE									
											Sex		Civil Status				Age				Nationality																	
	March 31, 1939	Applications Received	Applications Pending	Pensions Reconsidered and Granted	Pensions Granted (New)	Pensions Refused or Cancelled	March 31, 1940	Full Pension	Part Pension	Total Pensions Granted	Male	Female	Single	Married	Widow or Widower	Separated	70—75	76—80	81—85	86 and over	Canadian Born	British Born	Foreign Born	Cancelled, Death, Etc.	Reductions	Increases	Reinstatements	Former Decision Sustained	Total Ineligible	Assets—Other than Property	Property	Transfer of Property	Earnings	Not 70 Years of Age	Parents' Maintenance Act	Residence	Not a British Subject	Other Reasons
Belleville	249	54	....	2	45	9	259	37	8	45	24	21	5	30	10	4	33	12	....	....	32	10	3	37	2	5	2	1	9	2	....	1	1	1	....	2	1	1
Brantford	733	95		1	84	11	731	64	20	84	38	46	9	37	38	2	70	8	5	1	59	24	1	93	10	16	7	3	11	2	1	3	2	....	....	2	....	1
Chatham	289	41			34	7	300	31	3	34	14	20	5	16	13	6	31	2	1	....	19	11	4	30	3	5	7	....	7	....	....	3	....	3	1	....	....	..
Fort William	201	26	1	....	23	2	209	15	8	23	17	6	1	12	10	....	21	2	....	....	10	7	6	18	1	2	3	2	2	....	....	1	....	....	1	....	....	....
Galt	316	41		1	37	4	323	24	13	37	17	20	1	22	14	....	28	6	2	1	27	10	....	34	5	3	4	3	4	1	....	1	....	....	....	1	....	1
Guelph	353	53		4	46	7	363	37	9	46	22	24	3	17	26	2	38	3	5	....	32	12	2	39	7	13	3	....	7	3	....	....	1	....	....	1	....	2
Hamilton	2438	460	11	11	355	94	2514	270	85	355	172	183	32	189	134	20	305	37	10	3	164	170	21	302	74	76	23	20	94	26	6	9	10	3	18	7	1	14
Kingston	433	81	....	....	61	20	437	49	12	61	34	27	9	27	25	1	55	1	5	....	43	17	1	60	7	15	3	4	20	6	....	1	1	1	....	9	1	1
Kitchener	402	84	8	....	65	11	406	51	14	65	31	34	8	34	23	9	58	5	2	....	52	5	8	64	5	13	3	2	11	2	....	....	2	1	2	1	....	3
London	1378	156	8	6	112	36	1342	87	25	112	40	72	19	44	49	5	91	12	6	3	71	35	6	159	33	30	11	5	36	10	1	4	5	8	4	1	....	3
Niagara Falls	225	29	....	1	25	4	220	22	3	25	10	15	3	14	8	1	23	2	....	....	17	6	2	32	2	4	2	3	4	1	....	1	1	1	....	....	....	....
North Bay	201	32	....	1	28	4	214	21	7	28	14	14	2	10	16	1	26	2	....	....	21	6	1	19	4	5	4	1	4	....	....	1	1	....	....	2	....	....
Oshawa	307	61	....	....	45	16	318	38	7	45	16	29	5	23	17	1	42	3	....	....	30	13	2	34	2	14	....	2	16	5	3	2	....	1	2	....	....	3
Ottawa	2148	300	....	3	251	49	2113	197	54	251	114	137	32	116	103	19	222	15	10	4	197	46	8	303	42	53	17	17	49	16	3	7	1	4	7	5	....	6
Owen Sound	302	47	....	....	38	9	308	26	12	38	12	26	4	20	14	1	31	4	2	1	33	5	....	33	3	16	1	1	9	2	....	....	....	1	....	4	1	1
Peterboro	423	65		1	51	14	424	37	14	51	23	28	6	17	28	5	44	4	3	....	36	15	....	51	1	16	1	3	14	7	....	1	....	3	....	1	....	2
Port Arthur	216	39	11		24	4	217	20	4	24	13	11	2	13	9	1	20	3	1	....	10	8	6	24	2	2	1	1	4	1	....	1	....	1	....	....	....	1
St. Catharines	372	62	....	1	53	9	382	42	11	53	23	30	7	28	18	3	51	2	....	....	26	24	3	47	11	4	4	3	9	4	....	1	....	1	3	....	....	....
St. Thomas	294	47		....	39	8	299	7	32	39	19	20	5	19	15	2	32	7	....	....	25	14	....	36	4	11	2	....	8	....	....	1	1	1	....	1	....	4
Sarnia	258	26	3	....	20	3	257	15	5	20	12	8	3	13	4	1	15	4	1	....	15	4	1	24	2	7	3	....	3	2	....	....	....	....	....	....	....	1
Sault Ste. Marie	305	49	9	....	34	6	289	31	3	34	16	18	3	14	17	2	31	3	....	....	20	10	4	50	1	7	....	....	6	3	....	....	....	....	....	1	....	2
Stratford	342	53	1	....	46	6	351	31	15	46	20	26	8	27	11	....	42	4	....	....	31	14	1	40	4	11	3	2	6	3	1	1	....	....	....	1	....	....
Sudbury	169	27			21	6	179	20	1	21	14	7	3	8	10	3	19	1	1	....	29	1	....	14	1	6	3	....	6	1	....	1	....	....	4	....	....	....
Toronto	11000	1657	42	16	1449	166	11174	1204	245	1449	649	800	193	666	590	79	1248	134	45	22	647	687	115	1350	195	285	75	25	166	58	9	18	7	5	22	8	3	36
Welland	87	11		....	8	3	85	7	1	8	4	4	....	3	5	....	6	1	1	....	4	2	2	11	1	5	1	1	3	....	....	....	1	1	....	1	—	.
Windsor	1260	207	12	....	175	20	1321	149	26	175	80	95	14	96	65	9	160	11	4	....	118	43	14	125	11	21	11	6	20	8	....	2	....	3	3	....	—	4
Woodstock	202	47	5	....	39	3	216	36	3	39	18	21	1	19	19	....	27	6	4	2	28	11	....	26	2	2	1	1	3	1	....	....	....	1	....	1	....	....
	24903	3850	111	48	3208	531	25251	2568	640	3208	1466	1742	383	1534	1291	177	2769	294	108	37	1787	1210	211	3055	435	647	195	106	531	164	24	60	34	40	67	49	7	86

STATISTICAL REPORT OF OLD AGE PENSIONS FOR THE YEAR 1939 - 1940 (FISCAL)

TOWNS	NUMBER OF PENSIONS										ELIGIBLE													RECONSIDERED					INELIGIBLE									
											Sex		Civil Status				Age				Nationality																	
	March 31, 1939	Applications Received	Applications Pending	Pensions Reconsidered and Granted	Pensions Granted (New)	Pensions Refused or Cancelled	March 31, 1940	Full Pension	Part Pension	Total Pensions Granted	Male	Female	Single	Married	Widow or Widower	Separated	70—75	76—80	81—85	86 and over	Canadian Born	British Born	Foreign Born	Cancelled, Death, Etc.	Reductions	Increases	Reinstatements	Former Decision Sustained	Total Ineligible	Assets—Other than Property	Property	Transfer of Property	Earnings	Not 70 Years of Age	Parents' Maintenance Act	Residence	Not a British Subject	Other Reasons
Brockville	218	27	....	....	19	8	209	16	3	19	11	8	3	12	4	1	18	1	....	0	15	4	....	30	5	4	2	2	8	4	....	....	4	..	..	..	....	....
Gananoque	90	19	....	....	12	7	90	9	3	12	6	6	1	5	6	....	11	1	....	....	10	2	...	12	....	3	....	....	7	1	....	1	.	3		2	....	..
Ingersoll	97	16	....	1	12	4	96	10	2	12	5	7	....	7	5	....	10	1	....	1	5	7	....	13	2	4	....	....	4	1	....	....	1	1	1	..	....	....
Prescott	52	10	4	....	5	1	53	5	....	5	3	2	1	2	2	....	4	1	....	....	5	....	....	4	....	3	....	....	1	1	....	....		..		..	....	....
St. Mary's	74	17	....	1	14	3	74	10	4	14	5	9	2	7	5	....	11	3	....	....	11	3	....	17	....	1	3	1	3	2	..	..	.		1	..	....	..
Smith's Falls	121	18	....	....	14	4	121	8	6	14	5	9	2	8	4	1	10	1	2	1	12	1	1	16	....	3	2	....	4	....		2			1	1	.	
Timmins	100	10	....	....	8	2	100	6	2	8	5	3	....	4	4	1	8	....	....	....	6	2	....	9	1	4	1	1	2	....		...	...	1		1		
Trenton	161	23	3	....	17	3	155	17	....	17	6	11	....	7	10	....	15	1	....	1	15	1	1	24	3	3	1	....	3	....	1	....	....	2	....	..		
	913	140	7	2	101	32	898	81	20	101	46	55	9	52	40	3	87	9	2	3	79	20	2	125	11	25	9	4	32	9	1	3	5	7	3	4	....	....
DISTRICTS																																						
Algoma	556	85	10	1	65	10	556	45	20	65	46	19	11	27	27	....	58	6	0	1	51	13	1	71	1	17	6	2	10	2	.	....	....	4	....	..	..	4
Cochrane	363	81	....	1	71	10	400	51	20	71	46	25	10	35	26	4	66	4	1	....	62	7	2	36	3	11	2	3	10	1	1	1	....	2	3	..	.	2
Haliburton	169	21	3	1	15	3	162	12	3	15	10	5	1	8	6	....	13	2	....	....	11	2	2	22	7	5	....	1	3		...	....	..	3	....		..	.
Kenora	261	40	....	2	30	10	270	18	12	30	25	5	5	16	9	2	25	3	2	....	15	7	8	25	1	17	4	1	10		.	1	....	2	2	3	.	2
Manitoulin	157	27	....	2	19	8	163	14	5	19	12	7	3	10	6	2	15	3	1	....	16	3	....	13	2	4	....	2	8		1	1	.	2	....	2	.	2
Muskoka	466	89	....	1	79	10	499	56	23	79	41	38	10	40	29	1	67	9	3	....	53	23	3	47	9	24	1	3	10	2	..	..		5	....	1		2
Nipissing	573	94	....	2	69	25	587	48	21	69	45	24	3	48	18	2	64	2	1	2	62	4	3	58	15	22	3	7	25	2	3	8	1	2	5		1	3
Parry Sound	583	96	....	1	77	19	590	44	33	77	47	30	6	44	27	7	67	8	2	....	56	11	10	75	8	17	5	2	19	5	1	2		4	..	2	2	3
Rainy River	322	56	....	1	43	13	336	29	14	43	32	11	3	25	15	1	34	7	2	....	25	6	12	31	7	20	2	6	13	1	1	5		1		4	1	....
Sudbury	501	96	7	1	74	15	511	43	31	74	50	24	9	51	14	8	68	2	3	1	67	4	3	66	6	10	2	6	15	1	....	3	..	6	2		1	2
Thunder Bay	169	47	....	1	38	9	195	19	19	38	22	16	1	26	11	1	32	5	1	....	20	8	10	15	1	2	3	....	9	2	....	...	..	1	1	1	....	4
Timiskaming	443	81	9	....	64	8	459	43	21	64	40	24	9	29	26	3	59	4	1	....	56	5	3	49	6	14	1	3	8	1	....	1	....	5	1	...	....	....
	4563	813	29	14	644	140	4728	422	222	644	416	228	71	359	214	31	568	55	17	4	494	93	57	508	66	163	29	36	140	17	7	22	1	37	14	13	5	24

STATISTICAL REPORT OF OLD AGE PENSIONS FOR THE YEAR 1939 - 1940 (FISCAL)

COUNTIES	NUMBER OF PENSIONS										ELIGIBLE														RECONSIDERED					INELIGIBLE									
											Sex		Civil Status				Age				Nationality																		
	March 31, 1939	Applications Received	Applications Pending	Pensions Reconsidered and Granted	Pensions Granted (New)	Pensions Refused or Cancelled	March 31, 1940	Full Pension	Part Pension	Total Pensions Granted	Male	Female	Single	Married	Widow or Widower	Separated	70—75	76—80	81—85	86 and over	Canadian Born	British Born	Foreign Born	Cancelled, Death, Etc.	Reductions	Increases	Reinstatements	Former Decision Sustained	Total Ineligible	Assets—Other than Property	Property	Transfer of Property	Earnings	Not 70 Years of Age	Parents' Maintenance Act	Residence	Not a British Subject	Other Reasons
Brant	399	54	3	1	37	14	374	27	10	37	23	14	6	18	13	1	31	4	2	....	23	14	....	64	4	7	2	....	14	3	1	2	....	2	1	1	....	4
Bruce	700	111	....	2	84	27	706	26	58	84	39	45	17	39	28	....	70	11	3	....	71	13	....	80	12	29	2	10	27	5	1	6	1	2	4	4	....	4
Carleton	717	89	....	1	72	17	702	45	27	72	39	33	8	38	26	1	62	7	....	3	61	8	3	88	14	30	1	7	17	4	....	2	1	2	7	1	....	....
Dufferin	286	56	13	....	35	8	281	20	15	35	17	18	5	17	13	....	27	6	1	1	31	4	....	41	6	18	1	4	8	1	....	1	....	2	1	1	....	2
Dundas	298	43	....	....	33	10	296	22	11	33	18	15	1	17	15	....	25	1	4	3	31	2	....	38	4	13	3	4	10	1	....	....	1	2	2	1	....	3
Elgin	638	96	....	1	80	16	644	59	21	80	51	29	17	32	31	....	71	3	5	1	66	14	....	80	4	24	6	3	16	4	....	2	1	3	3	2	....	1
Essex	903	140	....	1	116	24	933	76	40	116	65	51	8	74	34	3	99	11	3	3	90	20	6	88	7	32	2	8	24	8	1	5	2	2	1	1	....	4
Frontenac	507	75	....	1	61	14	515	33	28	61	39	22	13	28	20	2	53	3	4	1	56	5	....	54	1	17	1	4	14	4	....	2	....	5	....	....	....	3
Glengarry	459	68	3	3	56	9	467	36	20	56	27	29	10	25	21	4	49	3	2	2	54	2	....	50	2	33	2	10	9	1	....	2	1	....	1	2	....	2
Grey	807	162	....	2	136	26	837	53	83	136	72	64	18	68	50	3	111	16	8	1	128	3	5	112	5	40	6	9	26	2	3	3	2	6	6	2	....	2
Haldimand	341	62	....	2	55	7	337	24	31	55	32	23	8	28	19	3	47	6	....	2	53	1	1	62	12	12	3	8	7	3	....	....	....	....	....	2	....	2
Halton	441	77	4	1	67	6	465	43	24	67	32	35	5	30	32	2	54	11	1	1	45	21	1	52	6	24	9	3	6	4	1	....	....	1	....	....	....	....
Hastings	1019	201	....	3	160	41	1060	82	78	160	82	78	21	75	64	6	137	16	6	1	148	9	3	126	12	53	7	7	41	9	....	5	1	8	7	1	2	8
Huron	861	148	....	2	106	42	851	59	47	106	65	41	14	63	29	3	81	18	5	2	87	16	3	124	16	33	8	9	42	12	2	4	5	2	6	5	1	5
Kent	747	115	....	....	101	14	757	56	45	101	53	48	10	46	45	3	85	13	1	2	86	13	2	93	6	24	2	2	14	5	3	1	....	1	2	....	1	1
Lambton	610	90	2	....	71	17	610	48	23	71	39	32	8	35	28	3	50	14	7	....	64	6	1	75	5	25	4	4	17	1	1	1	1	4	2	3	....	4
Lanark	538	95	....	1	71	24	546	39	32	71	34	37	11	32	28	1	54	15	2	....	67	4	....	67	12	14	4	9	24	5	1	2	1	7	4	....	....	4
Leeds and Grenville	850	149	....	1	114	35	869	69	45	114	67	47	20	51	43	2	90	16	8	....	100	11	3	99	10	28	4	13	35	7	....	8	....	5	5	6	3	1
Lennox and Addington	498	79	....	1	50	29	501	17	33	50	26	24	3	24	23	....	41	6	1	2	46	3	1	51	6	23	4	6	29	7	2	2	....	5	7	1	....	5
Lincoln	519	72	1	3	48	23	497	30	18	48	25	23	4	24	20	....	44	2	....	2	35	12	1	72	5	10	2	10	23	6	1	3	1	2	6	....	....	4
Middlesex	828	110	....	2	89	21	814	48	41	89	54	35	10	47	32	3	74	12	1	2	73	16		110	23	21	7	5	21	4	2	3		1	4	3	1	3
Norfolk	576	77	....	1	68	9	556	48	20	68	35	33	9	29	30	5	59	6	2	1	60	7	1	92	15	17	4	3	9	....	1	1	2	....	1	2	....	2
Northumberland and Durham	1229	185	....	5	140	45	1202	69	71	140	81	59	14	72	54	4	108	20	8	4	112	26	2	176	12	43	9	12	45	13	1	6	1	4	6	6	....	8
Ontario	724	104	....	1	86	18	731	50	36	86	53	33	11	48	27	3	69	11	3	3	73	12	1	81	6	21	2	1	18	6	2	3	....	1	3	....	1	2
Oxford	483	76	....	1	59	17	484	35	24	59	26	33	13	23	23	....	44	8	6	1	44	14	1	59	4	10	1	3	17	6	2	3	....	2	2	....	....	2
Peel	445	70	....	....	64	6	455	40	24	64	39	25	6	31	27	2	52	8	3	1	39	22	3	57	8	8	3	4	6	1	....	1	....	2	1	1	....	....
Perth	405	53	....	2	40	13	393	18	22	40	19	21	4	26	10	2	31	6	2	1	35	2	3	53	15	10	1	3	13	3	....	2	2	....	4	....	....	2
Peterboro	443	76	....	1	62	14	445	31	31	62	29	33	5	32	25	2	49	7	3	3	55	6	1	63	5	26	3	6	14	6	....	....	2	2	1	2	....	1
Prescott	522	71	....	1	57	14	518	31	26	57	29	28	6	36	15	3	46	5	4	2	55	2	....	63	8	35	2	19	14	2	1	3	1	2	2	1	1	1
Prince Edward	457	81	7	1	57	17	455	31	26	57	37	20	6	35	16	2	51	4	1	1	55	2	....	62	4	23	3	3	17	7	1	2	....	3	....	....	....	4
Renfrew	1028	243	47	3	147	49	1057	64	83	147	77	70	13	81	53	3	119	18	7	3	120	9	18	125	14	49	7	21	49	4	3	10	1	5	13	....	4	9
Russell	371	58	....	....	44	14	380	20	24	44	21	23	3	30	11	3	41	3	....	....	43	....	1	37	3	28	2	14	14	1	1	5	1	....	3	2	....	1
Simcoe	1787	279		3	247	32	1806	126	121	247	125	122	43	128	76	7	202	25	13	7	203	42	2	236	25	66	8	18	32	5	1	4	....	6	3	4	2	7
Stormont	596	81	2	....	60	19	596	39	21	60	32	28	7	25	28	1	46	8	4	2	56	1	3	63	6	25	3	7	19	6	....	....	1	3	3	2	....	4
Victoria	534	86	11	....	57	15	541	21	36	57	31	26	11	31	15	1	43	9	4	1	48	6	3	52	21	26	2	16	15	3	....	2	....		3	3	2	2
Waterloo	594	104		3	88	16	607	60	28	88	49	39	12	41	35	2	69	11	8	....	69	12	7	81	7	22	6	1	16	4	1	5	1	1	....	3	....	1
Welland	690	91	1	2	71	16	685	40	34	74	35	39	6	34	34	1	61	6	7	....	49	17	8	82	9	21	3	3	16	3	1	1	1	1	2	2	2	3
Wellington	570	101	15	1	68	18	577	33	35	68	41	27	16	29	23	1	50	10	6	2	59	8	1	66	5	24	5	11	18	3	....	2		2	5	1	....	5
Wentworth	559	93	9	4	68	16	568	42	26	68	34	34	5	41	22	6	59	7	2	....	45	20	3	61	12	18	2	1	16	4	2	....	2	1	2	3	....	2
York	2892	494	....	5	445	49	3038	321	124	445	207	238	41	224	180	12	390	39	13	3	201	234	10	312	35	115	13	19	49	10	1	3	1	8	9	4	1	12
	27871	4515	121	126	3573	821	28156	2031	1542	3573	1899	1674	448	1807	1318	100	2941	405	160	64	2836	639	98	3447	386	1097	159	300	821	183	37	107	34	105	132	72	21	130

SUMMARY FOR OLD AGE PENSIONS 1939 - 1940 (Fiscal)

	Pensioners on Pay List March 31, 1939	Granted (New)	Rein- statements	Cancel- lations	Pensioners on Pay List March 31, 1940
Counties	27871	3573	159	3447	28156
Cities	24903	3208	195	3055	25251
Towns	913	101	9	125	4728
Districts	4563	644	29	508	898
Other Provinces	608	...	236	160	684
	58858	7526	628	7295	59717

58858+7526+628=67012—7295=59717

	Granted (New) Year ending Mar. 31/39	Granted (New) Year ending Mar. 31/40	Rein- state- ments	Ineligible	Can- celled	Reconsidered In- creases	Reconsidered Re- ductions
Counties	3846	3573	159	821	3447	1097	386
Cities	3472	3208	195	140	3055	647	435
Towns	122	101	9	531	125	25	11
Districts	580	644	29	32	508	163	66
Other Provinces	......	....	236	....	160	34	....
	8020	7526	628	1524	7295	1966	898

7526+628=8154—8020=134 increase

No. of Cases dealt with in year 1939 - 1940

7526+1524+7295+1966+898=19,209

OTHER PROVINCES 1939 - 1940

	Reinstatements and Transfers	Cancellations	Reconsidered Increases	Reconsidered Reductions
Alberta	20	12	3	—
British Columbia	21	7	—	—
Manitoba	39	20	2	—
New Brunswick	2	3	3	—
Nova Scotia	8	3	—	—
Prince Ed. Island	1	1	—	—
Quebec	65	42	5	—
Saskatchewan	80	72	21	—
	236	160	34	—

No. on Pay List March 31, 1939	No. on Pay List March 31, 1940

608+236=844—160=684

STATISTICAL REPORT OF PENSIONS FOR THE BLIND FOR THE YEAR 1939 - 1940 (FISCAL)

TOWNS	March 31, 1939	Applications Received	Applications Pending	Pensions Reconsidered and Granted	Pensions Granted (New)	Pensions Refused or Cancelled	March 31, 1940	Full Pension	Part Pension	Total Pensions Granted	Male	Female	Single	Married	Widow or Widower	Separated	40—45	46—50	51—55	56—60	61—65	66—70	71—75	76—80	81—85	86 and Over	Canadian Born	British Born	Foreign Born	Cancelled, Death, Etc.	Reductions	Increases	Reinstatements	Former Decision Sustained	Total Ineligible	Assets Other than Property	Property	Transfer of Property	Earnings	Not 40 Years of Age	Parents' Maintenance Act	Too Much Vision	Residence	Not British Subject	Other Reasons
	NUMBER OF PENSIONS										ELIGIBLE																			RECONSIDERED					INELIGIBLE										
											Sex		Civil Status				Age										Nationity																		
Brockville	...	2	...	...	1	1	1	1	...	1	1	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...
Gananoque	6	2	...	...	...	2	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	2	...	...	...	...	...	...	2	...	...	...
Ingersoll	1	1	...	...	1	...	2	1	...	1	...	1	...	...	1	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Prescott	1	1	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
St. Mary's	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Smith's Falls	5	3	2	...	1	...	6	1	...	1	1	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Timmins	2	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Trenton	3	3	...	...	1	2	3	1	...	1	...	1	...	1	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	2	...	...	...	...	...	...	2	...	...	...
	19	12	2	...	4	6	20	4	...	4	2	2	...	2	2	...	...	1	2	...	1	...	...	...	...	...	3	1	...	3	...	...	..	...	6	...	...	...	...	...	...	5	...	...	1
DISTRICTS																																													
Algoma	9	6		1	5	1	14	5	...	5	4	1	2	3	...	...	...	...	1	1	1	2	...	...	...	...	5	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...
Cochrane	7	3	1	...	2	...	9	2	...	2	...	2	...	2	...	...	...	...	...	...	...	2	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Haliburton	2				...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kenora	4	4		...	4	...	7	2	2	4	4	...	1	2	1	1	...	...	...	...	1	3	...	...	...	...	1	1	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Manitoulin	4	1	1	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Muskoka	5	2	2				4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nipissing	11	6	2	...	3	1	14	3	...	3	2	1	1	1	1	...	2	...	1	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
Parry Sound	15	4		...	3	1	17	2	1	3	1	2	...	3	...	...	...	...	1	1	1	...	...	...	...	...	3	...	...	1	...	...	...	1	1	...	...	...	...	...	...	1	...	...	...
Rainy River	4	5	1	...	3	1	6	3	...	3	1	2	..	1	2	...	...	...	1	...	1	...	1	...	...	...	1	1	1	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
Sudbury	15	11	5	...	5	1	18	5	...	5	4	1	1	3	1	...	...	...	...	...	2	1	1	1	...	...	5	...	...	2	...	...	..	..	1	...	...	..	..	.	...	1	...	...	...
Thunder Bay	7	1	1	...	...	...	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Timiskaming	8	9	3	...	6	...	14	6	...	6	2	4	1	5	...	1	...	1	...	1	...	4	...	...	...	...	5	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	91	52	16	1	31	5	115	28	3	31	18	13	6	20	5	2	2	1	4	3	6	12	2	1	...	...	24	4	3	7	...	1		1	5	...	...	...	...	...	...	3	...	...	2

STATISTICAL REPORT OF PENSIONS FOR THE BLIND FOR THE YEAR 1939 - 1940 (FISCAL)

CITIES	NUMBER OF PENSIONS										ELIGIBLE																			RECONSIDERED					INELIGIBLE										
											Sex		Civil Status				Age										Nation'y																		
	March 31, 1939	Applications Received	Applications Pending	Pensions Reconsidered and Granted	Pensions Granted (New)	Pensions Refused or Cancelled	March 31, 1940	Full Pension	Part Pension	Total Pensions Granted	Male	Female	Single	Married	Widow or Widower	Separated	40—45	46—50	51—55	56—60	61—65	66—70	71—75	76—80	81—85	86 and Over	Canadian Born	British Born	Foreign Born	Cancelled, Death, Etc.	Reductions	Increases	Reinstatements	Former Decision Sustained	Total Ineligible	Assets Other than Property	Property	Transfer of Property	Earnings	Not 40 Years of Age	Parents' Maintenance Act	Too Much Vision	Residence	Not British Subject	Other Reasons
Belleville	11	3			2	1	13	2		2	2			2				1				1					1	1							1							1			
Brantford	19	3			3		21	2	1	3	2	1	1	1	1			1			2						1	2		1		1													
Chatham	4	1	1				4																												1								1		
Fort William	7	3			3		6	3		3	2	1	1	2		1				1	1	1						1	2	4															
Galt	4	1	1				4																																						
Guelph	8	1				1	7																							1					1										1
Hamilton	71	13			9	4	75	9		9	4	5	1	5	3		2		1	1	1	2	1	1			3	6		5	1	1			4	1			2			1			
Kingston	10	4	1		2	1	11	2		2	2			2							1	1					2			1					1							1			
Kitchener	6	4	3			1	6																												1							1			
London	28	12			9	3	35	9		9	4	5	2	5	2	2	2			1	1	4		1			7	1	1	2		1			3							1	1		1
Niagara Falls	9	3	1		1	1	10	1		1		1		1		1			1								1								1							1			
North Bay	2	1			1		4	1		1	1			1			1										1						1												
Oshawa	4	1	1				4																							1			1												
Ottawa	50	23			15	8	62	14	1	15	10	5	2	11	2	1	5	1	2	2	2	3					14		1	3	2				8	3					1	4			
Owen Sound	5	2				2	5																												2							1	1		
Peterboro	9	1				1	8																							1	1				1								1		
Port Arthur	4	2	1		1		5	1		1		1	1					1									1																		
St. Catharines	8	1				1	8																												1		1								
St. Thomas	4	3			3		6	3		3	1	2		3			1	1				1					1	2		1															
Sarnia	1	1			1		2	1		1		1		1								1						1																	
Sault Ste. Marie	6	1			1		6	1		1	1		1						1									1		1	1														
Stratford	5	7	1		5	1	10	4	1	5	4	1		2	3		1		1		2	1					4	1				1			1								1		
Sudbury	3	3	2		1		4	1		1	1		1									1					1																		
Toronto	220	49			44	5	250	39	5	44	30	14	9	24	11	5	8	5	6	5	6	11	2	1			26	15	3	14	1	2		1	5							5			
Welland	1						1																																						
Windsor	16	6			5	1	20	5		5	4	1		3	2						3	2					4	1		1					1									1	
Woodstock	5	1				1	5																												1							1			
	520	150	12		106	32	592	98	8	106	68	38	19	63	24	8	20	10	12	10	19	29	3	3			67	32	7	36	6	6	2	1	33	4	1		2		1	17	5	1	2

STATISTICAL REPORT OF PENSIONS FOR THE BLIND FOR THE YEAR 1939 - 1940 (FISCAL)

COUNTIES	NUMBER OF PENSIONS										ELIGIBLE																			RECON-SIDERED					INELIGIBLE										
											Sex		Civil Status				Age										Natio'ity																		
	March 31, 1939	Applications Received	Applications Pending	Pensions Reconsidered and Granted	Pensions Granted (New)	Pensions Refused or Cancelled	March 31, 1940	Full Pension	Part Pension	Total Pensions Granted	Male	Female	Single	Married	Widow or Widower	Separated	40—45	46—50	51—55	56—60	61—65	66—70	71—75	76—80	81—85	86 and Over	Canadian Born	British Born	Foreign Born	Cancelled, Death, Etc.	Reductions	Increases	Reinstatements	Former Decision Sustained	Total Ineligible	Assets Other than Property	Property	Transfer of Property	Earnings	Not 40 Years of Age	Parents' Maintenance Act	Too Much Vision	Residence	Not British Subject	Other Reasons
Brant	7	5	2		2	1	9	2		2		2		1	1		1						1				2								1								1		
Bruce	14	11	9		2		15	2		2	1	1	1	1				1				1					2			2			1												
Carleton	15	7			5	2	19	5		5	3	2		3	2		2	1	1				1				5			2			1		2	1						1			
Dufferin	6						5																							1															
Dundas	4	1	1				4																																						
Elgin	14	1				1	14																												1							1			
Essex	18	6			5	1	21	3	2	5	3	2	1	3	1	1	1				1	2	1				4	1							1							1			
Frontenac	4	6	1		3	2	7	2	1	3	1	2	1	1	1	1	1				1	1					3			2					2		1					1			
Glengarry	9	6			5	1	14	4	1	5	2	3		3	2								1	1	1	2	3	1	1						1						1				
Grey	14	4			2	2	15	2		2	2			2			1		1								1	1		1					2							1			1
Haldimand	6	1			1		7	1		1	1			1										1			1																		
Halton	6	2			2		8	2		2	1	1		1	1	1	1		1								1	1																	
Hastings	28	12			6	6	31	5	1	6	5	1	2	3	1	1			1	2	1	2					5	1		4				1	6							4			2
Huron	12	7			5	2	16	5		5	1	4	1	4		1			2			2	1				5							1	2								1		1
Kent	14	4			4		18	3	1	4	2	2	2	1	1		2				1	1					3	1																	
Lambton	16	3			2	1	18	2		2		2		1	1						1	1					2								1										1
Lanark	13	5		1	2	3	14	2		2	1	1		1	1				1			1					2			1					3			1				1			1
Leeds and Grenville	13	6			4	2	16	3	1	4	1	3	2	1	1					1		1	2				4			1					2							1			1
Lennox and Addington	8	5	2		1	2	7	1		1	1			1			1										1			2					2	1						1			
Lincoln	12	4	1			3	11																							1					3			1			1				1
Middlesex	14	6			3	3	17	3		3	1	2		1	2		1				2						3					1			3	1						1			1
Norfolk	15	5			3	2	18	3		3	1	2	1	2						1		1	1				3								2							2			
Northumberland	22	9	7		1	1	22	1		1		1	1					1									1			1					1	1									
Ontario	10	7			5	2	15	5		5	4	1	1	3	1				1	2	1			1			3	2							2					1		1			
Oxford	4	1			1		5	1		1		1	1				1										1																		
Peel	7	4			3	1	10	3		3	1	2		1	2			1			1	1					2	1							1					1					
Perth	6	1			1		7	1		1	1		1							1							1																		
Peterboro	6	4				4	5																							1		1			4						1		1		2
Prescott	20	4			4		23	4		4	4			3	1		1	2		1							4			1															
Prince Edward	5	3			1	2	6	1		1		1			1						1						1								2							2			
Renfrew	32	11			9	2	39	8	1	9	7	2	5	4			1	3	1	1	2	1					7	1	1	2					2			1				1			
Russell	6	2			2		8	2		2		2		2						1	1						2																		
Simcoe	33	9			6	3	36	6		6	3	3	3	3				1		2	1	2					4	2		3					3							3			
Stormont	23	10	1		5	4	25	5		5	3	2	1	4			1		1	1	1		1				5			3					4					1		2	1		
Victoria	15	4	2		1	1	16	1		1		1		1								1					1			1		1	1		1		1								
Waterloo	7	3			3		10	3		3	3			3				1	1		1						3																		
Welland	5	5			2	3	7	2		2	2			1	1						1	1					1		1						3		1						1		1
Wellington	12	2	1		1		13		1	1	1			1											1		1																		
Wentworth	7	0					5																							2															
York	40	10	2	1	4	4	43	4		4	3	1	2	2			1	1	2									4		1					4	1						2			1
	522	196	29	2	106	61	599	97	9	106	59	47	26	59	21	5	16	12	13	13	17	19	9	3	2	2	87	16	3	32	....	3	3	2	61	5	3	3	....	3	3	26	5	....	13

SUMMARY — PENSIONS FOR THE BLIND 1939 - 1940 (Fiscal)

	No. on Pay List as of March 31, 1939	1939-1940 Granted (New)	1939-1940 Reinstatements	Cancellations	Pensioners on Pay List Mar. 31, 1940
Counties	522	106	3	32	599
Cities	520	106	2	36	592
Towns	19	31	—	3	20
Districts	91	4	—	7	115
Other Provinces	2	—	7	2	7
	1154	247	12	80	1333

1154+247+12=1413—80=1333

	1938-1939 Granted (New)	1939-1940 Granted (New)	Eligible	Ineligible	Cancellations	Reconsidered Increases	Reconsidered Reductions
Counties	274	106	106	61	32	3	—
Cities	196	106	106	33	36	6	6
Towns	7	4	4	6	3	—	—
Districts	55	31	31	5	7	1	—
Other Provinces	—	—	—	—	2	—	—
	532	247	247	105	80	10	6

Decrease 285.

No. of Cases dealt with year 1939 - 1940

247+105+80+16=448

OTHER PROVINCES 1939 - 1940

	Reinstatements	Cancellations
Alberta	—	—
British Columbia	1	1
Manitoba	—	—
New Brunswick	—	—
Nova Scotia	—	—
Prince Edward Island	—	—
Quebec	3	1
Saskatchewan	3	—
	7	2

No. on Pay List March 31, 1939 No. on Pay List March 31, 1940

2 + 7 — 2 = 7

ANNUAL REPORT OF THE MOTHERS' ALLOWANCES COMMISSION

DEPARTMENT OF PUBLIC WELFARE

Fiscal Year Ending March 31st, 1940

In reviewing the work of the Mothers' Allowances Commission for the fiscal year ending March 31st, 1940, it is well to point out that the proper care and upbringing of children concerned in these cases is the first consideration guiding the Commission in administration of the Act.

While the Commission must render the final decision as to eligibility, that decision hinges upon many factors in which various agencies are concerned. First of all comes the report from the Local Board which, being situated in the community in which the persons concerned reside, is in a position to pass upon the circumstances as set forth in the application. This is supplemented by a detailed report from the Commission's investigator, whose training makes it possible for each case to receive careful and sympathetic treatment.

During the period presently under review we are pleased to report that increased opportunities for employment have made it possible in many instances for children to contribute to the support of their mothers, thereby relieving the charge upon the treasury of this Province. In addition many sons of widowed mothers have joined the armed forces, assigning pay and allowance to aid in the upkeep of the home.

Nevertheless, the work of the Commission and its staff is still onerous and each case, because of changing circumstances in and out of the home, requires continued attention. A competent staff of investigators covering every section of the Province is in constant touch with beneficiaries and in many cases is able to render valuable assistance and advice in meeting the manifold problems arising in the home.

The problem of the permanently unemployable husband has been receiving the careful attention of members of the Commission. This has been one of the most difficult aspects of Mothers' Allowances administration in view of the numerous "borderline" cases in which it is difficult to obtain agreement by medical authorities as to the degree of incapacitation. Early in 1940 a new method of handling such cases was established with the co-operation of the Department of Health and although it was not in full operation until after the period covered by this report, most satisfactory results can be expected.

The question of granting an allowance to a widowed mother with assets in insurance is also being handled efficiently from the standpoint of both the former and the taxpayer as well. In this connection the Commission wishes to mention the fine co-operation extended by the Judges of our Courts, the Official Guardian, insurance companies and the various fraternal organizations and service clubs.

The Mothers' Allowances Act in the year now completed, entailed an expenditure of $5,057,286.00, representing assistance to 12,138 homes.

J. A. FAULKNER,
Chairman.

H. BENTLEY,
Vice-Chairman.

E. V. McKECHNIE,
Commissioner.

REPORT OF THE MOTHERS' ALLOWANCES COMMISSION

MEDICAL BOARD

Toward the end of this fiscal year, a new departure was approved, with respect to Mothers' Allowances paid on the basis of incapacitation. Arrangements were instituted, whereby the Department of Health would act in a medical advisory capacity to the Mothers' Allowances Commission, regarding men whose families were receiving Mothers' Allowances or were applying for such Allowances.

The duties of the Medical Board thus formed in the Department of Health were to be:—

(a) —To conduct a complete medical audit of the 3,285 incapacitation cases for whom Mothers' Allowances were being paid, as of May 20th, 1940. This survey would include:—

1.—Extracting the medical evidence already on the Mothers' file in each case.

2.—Constructing a confidential medical file.

3.—Making a critical analysis of the available evidence and, where this evidence was not considered adequate, arranging to secure, through examinations by private physicians, investigations in hospitals, etc., the necessary evidence. (Arrangements were made for the Department of Public Welfare to pay for examinations by private physicians, where such examinations were considered necessary).

4.—Issuing a certificate to the Mothers' Allowances Commission in each case, whenever sufficient evidence had been secured.

(b) —To receive the medical evidence submitted with each new application for Mothers' Allowance on the basis of incapacitation; to construct a confidential medical file for each such case; to secure the new medical evidence as required and finally to issue a certificate to the Mothers' Allowances Commission, stating whether or not the man in question is believed to be permanently unemployable.

(c) —To present to a "Medical Appeal Board" the information regarding those cases where an appeal is filed and additional medical evidence is received, against a previous certificate issued in any case by this Medical Board.

DR. B. T. McGHIE,

Deputy Minister of Health.

MOTHERS' ALLOWANCE COMMISSION — STATISTICAL REPORT, 1939 - 1940

		DECISIONS												NUMBER OF FAMILIES WITH											CANCELLATIONS							INELIGIBLE						
	Applications Received	Applications Granted	Renewals Granted	Reinstated	Ineligible and Deferred	Renewals Refused	Cancelled and Suspended	Continued	Increased	Reduced	Total	No. on Pay-list March 31st, 1940	No. on Pay-list part of year but later Cancelled	1 Child	2 Children	3 Children	4 Children	5 Children	6 Children	7 Children	8 Children	9 Children	10 Children	Total	No. Children under 16 Years	Re-Marrie	Income	Unsatisfactory	Man Not Permanently Unemployable	Other Reasons	Total	No. Child. under 16 Yrs.	Re-Married	Income	Unsatisfactory	Man Not Permanently Unemployable	Other Reasons	Total
Widow	1138	758	154	151	288	140	1354	705	395	1632	5577	7580	1167	4389	2191	1122	579	269	121	53	19	4	....	8747	799	182	129	113	....	121	1344	30	2	111	47	....	238	428
Incapacitation	1257	520	155	110	515	305	548	490	279	629	3551	3178	472	1258	942	611	368	230	120	72	37	8	4	3650	137	....	27	30	298	54	546	15	....	26	14	645	120	820
Mental	115	60	11	16	23	18	71	11	2	1	213	358	68	154	109	67	46	26	10	6	7	1	....	426	18	....	6	8	34	5	71	1	....	6	3	18	13	41
Desertion	288	48	32	15	179	84	132	43	27	114	674	670	120	469	208	70	30	9	4	....	....	....	....	790	75	3	5	8	....	40	131	3	....	19	20	....	221	263
F. M. Dead	114	77	9	2	25	8	90	33	14	87	345	353	83	262	116	39	11	3	3	1	1	....	....	436	51	—	1	4	....	34	90	....	....	2	1	....	30	33
F. M. Incap.	37	25	3	....	9	1	18	4	1	5	66	Included in Incap. Cases						....	....	....	....	....	....	....	5	—	1	....	4	8	18	....	....	1	....	4	5	10
F. M. Mental	8	3	....	1	1	....	5	1	....	....	11	Included in Mental Cases												....	3	—	....	....	....	2	5	....	....	....	....	....	1	1
F. M. Desertion	32	7	....	....	21	1	15	....	....	....	44	Included in Desertion Cases												....	10	....	....	....	....	5	15	1	....	....	....	....	21	22
TOTAL	2989	1498	364	295	1061	557	2233	1287	718	2468	10481	12139	1910	6532	3566	1909	1034	537	258	132	64	13	4	14049	1098	185	169	163	336	269	2220	50	2	165	85	667	649	1618

No. of Beneficiaries on pay-list Mar. 31st, 1939	12215		
No. of Beneficiaries on pay-list Mar. 31st, 1940	12139		
Decrease during the fiscal year	76 or .62%		
No. of Beneficiaries on pay-list Mar. 31st, 1940	12139	No. of children	26340
No. of Beneficiaries on part of year but later cancelled	1910	No. of children	3013
Total	14049		29353

Average number of children per family 2.08

No. of families in—Cities—Active		5946	No. of children	11546
	Cancelled	1038	No. of children	1515
Towns—Active		209	No. of children	487
	Cancelled	23	No. of children	39
Districts—Active		1243	No. of children	3190
	Cancelled	144	No. of children	269
Counties—Active		4741	No. of children	11117
	Cancelled	705	No. of children	1190
Total		14049		29353

Country of Birth	Active	Cancelled	Total
Canada	7873	1185	9058
British	2848	497	3345
Others Naturalized	1418	228	1646
Total	12139	1910	14049
Percentage—			
Canada	64.86%	62.04%	64.47%
British	23.46%	26.02%	23.81%
Others Naturalized	11.68%	11.94%	11.72%
	100%	100%	100%

Cause of Death	Active	Canc.	Total
Tuberculosis	624	86	710
Cancer	764	108	872
Others	6192	973	7165
Total	7580	1167	8747

Cause of Incap.	Active	Canc.	Total
Tuberculosis	722	158	880
Cancer	60	9	69
Mental	358	68	426
Epilepsy	58	12	70
Others	2338	293	2631
Total	3536	540	4076

ANNUAL REPORT OF THE SUPERVISOR OF INVESTIGATORS FOR OLD AGE PENSIONS AND MOTHERS' ALLOWANCES

April 1st, 1939 — March 31st, 1940

The investigation of Old Age Pensions and Mothers' Allowances has been carried out during the fiscal year under review according to the policy introduced in 1937.

The division of the Province into thirty-three districts, and the employment of fifty-six investigators, four of whom are special investigators, has been maintained.

In Old Age Pensions investigations, many calls are frequently necessary to acquire sufficient authentic information to complete the record of First Investigation. All documentary evidence as required by the Act must be furnished. Proof of age and residence qualifications are necessary. Assets, income and all particulars pertaining to property and property transactions must be verified. A certified statement of the unmarried children's earnings must be attached to the record of First Investigation, if earnings are in excess of the minimum wage class. In many cases the applicant is frequently handicapped by physical weakness, and it is difficult to obtain the information necessary. This necessitates tact and patience on the part of the investigator, and a thorough understanding of human nature.

The assistance given by the Municipal Clerks is greatly appreciated by the investigators.

In addition to dealing with new applications, the investigator completes an annual report on each pensioner, in order that the Commission may be kept informed of changes in the economic status of the pensioner.

Investigation on Blind Pensioners is carried through as for Old Age Pensioners.

Investigation on Mothers' Allowances cases is carried out with emphasis on the value of keeping families intact. One of the major activities of the investigator is to serve in an advisory capacity, in solving essential problems.

In addition to investigation of new applicants, a report is completed each year and frequent calls are made on many of the Mothers' Allowances beneficiaries.

In the Province for the year under review, 82,318 calls were made by the staff of investigators, who travelled thousands of miles regardless of weather and road conditions. The expenditures in salaries and transportation amounted to $108,152.12.

It is planned, during the next year, to enlarge on the scope and responsibility of the special investigator, so that each will become more responsible for the work of the investigators in her district, rather than serving as extras, as in the past. Through this personal contact, it is hoped that each investigator will develop a more thorough understanding of the requirements of the Commission and thereby record her findings in such a way as to more adequately aid the Commission in reaching their decision.

Respectfully submitted,

(Mrs.) MARY M. POWELL.

RELIEF OF THE UNEMPLOYMENT RELIEF BRANCH

DEPARTMENT OF PUBLIC WELFARE

Fiscal Year Ending March 31st, 1940

I have the honour to submit herewith the report of the Unemployment Relief Branch of the Department of Public Welfare, for the fiscal year ending March 31st, 1940.

The report covers gross relief costs and number of persons assisted as reported by the Accountant; surveys of local administration as reported by the Chief Inspector; Farm Rehabilitation Plan and the Vacant Land Cultivation scheme as reported by the Inspector in charge of both projects; items with respect to residence both inter-municipal and inter-Provincial and transportation provided and further, a statement with reference to assistance for dependents of internees, all of which was provided by our Inspector in charge of these items.

These separate reports are submitted in the order named above.

E. A. HORTON,

Acting Director, Unemployment Relief.

DIRECT RELIEF COSTS

For the fiscal period April 1st, 1939, to March 31st, 1940, the Dominion-Provincial Agreement covering Unemployment Relief provided for a Dominion contribution of 40% to Material Aid expenditures (food, fuel, clothing, and shelter). In addition to these categories the Province and its municipalities included medical relief.

Prior to the 1939-40 fiscal period, Dominion contributions to Material Aid were on a monthly grant-in-Aid basis, which resulted in a much lower contribution from the Dominion than that received under the new agreement.

Total gross expenditures, and Dominion-Provincial-Municipal contributions for the fiscal period 1939-40, and comparative periods, were as shown in the attached schedules.

S. J. GADSBY,

Acting Accountant.

SCHEDULE I.

DIRECT RELIEF COSTS AND PERCENTAGES OF CONTRIBUTIONS

	1937-38	%	1938-39	%	1939-40	%
Dominion Share ..	6,030,000.	28.64	5,580,000.	24.94	7,441,522.	38.06
Provincial Share ..	9,712,473.	46.12	10,212,768.	45.64	8,454,881.	43.24
Municipal Share ..	5,313,964.	25.24	6,581,785.	29.42	3,655,311.	18.70
	$21,056,437.		$22,374,553.		$19,551,714.	

SCHEDULE II.

DIRECT RELIEF COSTS BY MONTHS

	1937-38	1938-39	1939-40
April	2,414,730.	2,021,030.	2,170,987.
May	1,847,846.	1,678,577.	1,854,953.
June	1,478,580.	1,532,101.	1,585,468.
July	1,329,614.	1,388,096.	1,416,560.
August	1,230,769.	1,388,895.	1,454,678.
September	1,229,949.	1,446,200.	1,417,803.
October	1,351,587.	1,527,027.	1,359,089.
November	1,580,629.	1,840,715.	1,424,109.
December	2,052,774.	2,229,154.	1,559,609.
January	2,058,257.	2,340,572.	1,737,204.
February	2,116,054.	2,422,668.	1,772,842.
March	2,365,648.	2,559,518.	1,798,412.
	$21,056,437.	$22,374,553.	$19,551,714.

SCHEDULE III.

NUMBERS ASSISTED BY MONTHS

	1937-38	1938-39	1939-40
April	314,557	252,527	301,061
May	257,229	233,171	264,787
June	207,891	204,875	225,423
July	179,414	194,115	209,318
August	166,169	189,244	201,488
September	163,461	184,347	195,044
October	166,652	200,749	183,273
November	186,451	228,352	177,838
December	220,551	261,366	189,613
January	253,449	298,589	212,459
February	268,470	311,664	220,423
March	272,345	313,359	220,445

In the course of the past year the Department continued the policy of assisting local authorities in reviewing various phases of relief administration. Particular attention was given in this respect to the cities of Windsor, Niagara Falls, St. Catharines, and Hamilton in addition to many other smaller centres. The co-operation given this Department by the municipalities concerned has permitted improvement in dealing with relief administration in an orderly manner and has tended to standardize the procedure in dealing with the problem and schedules of relief granted.

During the past year with the decided upward trend in employment conditions due in the main to war industries, much more co-operation has existed as between the Unemployment Relief Offices in the various municipalities and the Employment Service Offices. This team-play has been most effective in placing unemployed persons in gainful occupation.

JAMES S. BAND,

Chief Inspector.

FARM REHABILITATION PLAN

From May 1st to December 31st, 1939, there were 60 families, or 406 persons, occupying 60 farms, with a combined acreage of 5,235 acres. During the period from December, 1939, to March 31st, 1940, five unsuccessful settlers were removed from the farms; two of these joined the Army. During this time the expenditures were : Livestock, $14,669.54; Equipment, $7,180.83; Seed, Feed, etc., $4,817.58; Total, exclusive of rent, $26,667.95. Rentals paid were $8,304.02, while $17,588.55 was the amount granted in material aid.

As these people were receiving food, clothing, fuel, etc., before placing them on the land, at a greater cost and at least a similar amount to that paid in farm rental was paid for city rent, it is assumed fair to deal with the cost of these settlements for the first year on a basis of the cost of livestock, equipment, seed, feed, etc., namely $26,667.95.

The appropriation for each settler is $600 for livestock, equipment, seeds, etc., or a total of $36,000 for the 60 settlers. This leaves a reserve of $9,332.05 to be carried over for further purchases that will be required in the spring of 1940.

The value of crops grown and increases of stock amount to $21,451.86, which comes within $5,216.09 of paying equipment costs for the season.

The rental plan provides for the payment of an amount not exceeding $200 per year for a three-year period, when required. Therefore, $12,000 was provided for rent for this year, while $8,304.02 was the amount paid.

Number of municipalities participating in the Plan	11
Number of placements on March 31st, 1940	55
Number of persons in families on March 31st, 1940	370
Average persons per family on March 31st, 1940	7
Total acreage as of March 31st, 1940	4,832

We appreciate the assistance and co-operation rendered by Mr. R. S. Duncan, Director of the Ontario Department of Agriculture, also his able Agricultural Representatives in the different districts who have inspected these farms on different occasions and have so cheerfully responded to any appeal for information and advice.

VACANT LAND CULTIVATION SCHEME

On September 22nd, 1939, all municipalities and unorganized districts in the Province were notified that an Act, entitled "The Vacant Land Cultivation Amendment Act, 1939" was passed, effective at once. This permits any person to apply to the official designated by the municipality in which the applicant resides for a permit to cultivate and plant vacant land supplied free under the Act.

Each family on the active files of the local relief departments are required to take a garden plot or cultivate a backyard garden, or produce medical certificate for inability to work. Their permit is supplied free, with a supply of seeds, including potatoes and plants, also ploughing is done and fertilizer supplied when necessary. Any cost incurred to be borne proportionately by Federal, Provincial and Municipal contributions.

The application of the Act utilizes to the fullest possible extent the employability of any relief recipient, man, woman or child over sixteen years of age who has not already been applied to some other purpose.

All produce grown by relief recipients must be retained by them for their own use.

It was also suggested that a communal plot be set aside and cultivated by group effort on a voluntary basis for the benefit of any totally unemployables.

Every local Council is expected to utilize the powers of the Act for the good of any other person (not on relief) who wishes to obtain, under permit, a garden plot for the use of his family; in such cases, however, a fee, not to exceed $1.00 and cost of seeds, equipment, etc., is to be borne entirely by the individual.

Immediately following this announcement programs were submitted for approval, and, on acceptance by the Department, fall ploughing completed so that the land would be in condition for early spring planting.

This Spring, seeds, including potato plants, etc., have been purchased and it is expected that all who participate in the garden scheme will produce vegetables in sufficient quantities to more than serve the purpose for which it was intended, which is, that the value of the produce grown will offset any loss that may be occasioned to the purchasing power of the relief recipient's vouchers as food commodities increase in price.

Many community plots have been arranged for, service clubs, organizations, manufacturers and citizens are co-operating by supplying land, tractors, fertilizers and seeds. These same people and many others have volunteered their services for cultivating and planting so as to supply those less fortunate with vegetables for the coming winter.

J. D. CLARKE,

Inspector,
Farm Rehabilitation Plan.

Residence—Province of Ontario

The residence regulations pertaining to the twelve months gainful employment period has worked out satisfactorily. A considerable number of cases have been cleared with the municipalities by the Provincial Inspectors and this Department and the responsible municipality established for relief purposes. This has avoided the dumping of families from one municipality to another which was previously being done by some municipalities. Charge-back accounts between municipalities have also been cleared satisfactorily.

Inter-Provincial Residence

In order to clarify and to have similar residence regulations applicable and uniform between all the provinces, on March 16, 1939, the matter was taken up with the Dominion Relief Commissioner, Ottawa, with the result that the previous residence ruling of three complete years was changed to read "the individual or family must be self-supporting by gainful occupation for twenty-four months before gaining residence when moving to another Province." The clause was embodied in the Federal and Provincial Agreement dated August 4th, 1939, signed by the Dominion Government and all Provincial Governments.

A considerable number of famlies were removed from the Western provinces to Ontario and where they were unable to become self-supporting after a reasonable period, they were issued transportation and returned to the Province from which they had moved, all cases previously having been taken up with the responsible Province.

Some families removing from the drought areas in Saskatchewan have been assisted by the Province of Saskatchewan to move to Ontario, relief being granted through the Ontario municipalities and paid by the Province of Saskatchewan. Assistance has been given the Province of Saskatchewan in these cases to re-establish these families on farms in Ontario and the Provincial Inspectors of this Province have investigated some of these cases at the request of the Saskatchewan authorities. Where families have not been able to become self-supporting by gainful occupation they have been returned to Saskatchewan and such return agreed to by the latter Province.

The inter-provincial residence regulations are working out very satisfactorily.

Transportation

Where a man has been able to obtain bona fide employment, he and his family being in destitute circumstances and in receipt of relief assistance, transportation has been provided in conjunction with the municipalities to enable the man and family to become self-supporting and thus reduce the relief rolls.

Dependents of Internees

Commencing in the month of September, 1939, where the head of the family has been interned and dependents were thereby left in destitute circumstances, assistance has been issued to the dependents by the municipal relief departments at the prevailing relief scale in the community in which they reside on receipt of approval from the Dominion Relief Commissioner, Ottawa.

The accounts are forwarded monthly by the municipalities to the Provincial Relief Branch and re-imbursement is made at 100% by the Federal Government.

ARTHUR T. BOSANQUET,
Inspector.

REPORT OF THE CHILDREN'S AID BRANCH APRIL 1, 1939—MARCH 31,1940

During the past several years, many local Children's Aid Societies have recast the organization. This effort was most opportune and has now placed them in a position to cope with increasing requirements for service as a result of the war.

Each of the Societies has undertaken extra work for the Dependents' Allowance Board. In some instances this has taken the form of investigations for the purpose of obtaining information for the granting of allowances. In others, it has meant the supervision of families and the administration of allowances.

While services of this nature have increased, the regular work of the Societies has not been neglected. During the year under review, the Societies were called upon to deal with 4,577 new complaints of neglect involving 15,661 children. Of the 15,661 children, 1,095 were committed to the care of the Societies as wards. The remainder of the children remained in their own homes under the supervision of the Societies. The families, therefore, continued to take their place as a unit in the community. The programme of prevention accepted by the Societies thus not only kept the families together but saved the municipalities considerable sums in maintenance payments.

Once again, however, it is necessary to emphasize that the whole programme of family readjustment has meant that the type of children being committed to the Societies as wards has increasingly been of those who have to be maintained in pay care. Either through physical or mental handicaps or because of age or improper training, they are not easily placeable in free or adoption homes.

Notwithstanding the difficulty referred to above, the number of adoptions completed for the year has shown an increase. For the year ending March 31st, 1939, 986 adoptions were completed. For the year ending March 31st, 1940, 1,241 adoptions were completed. The statistics show that with one exception each of the war months for the year under review has shown an increase in adoptions completed over the non-war months. This is explained by the fact that many men who have enlisted wanted this matter settled before they left for overseas. The same safeguards with respect to adjustment of the child in the home as hitherto applied have, however, been maintained. It has also been necessary to keep a careful check lest children be taken for adoption for the sole purpose of obtaining additional allowances.

At the end of the year the Societies had in care 10,521 children,—a slight decrease from the previous year. Of these, 5,458 were in free, wage or adoption probation homes at no charge to the municipalities. The children in care continue to be visited at regular, and in many instances, increasing, intervals by a representative of the Society. Periodic health examinations and regular checking of school attendances combined with these home visits tend to assure that the children in care enjoy a proper and normal home life.

A slight falling off in the number of unmarried parents' cases is noted. Collections for the maintenance of children born out of wedlock have increased from $91,825.76 for the year ending March 31st, 1934, to $94,130.48 for the year ending March 31st, 1940.

The Provincial Officer has the direct responsibility for administering the Unmarried Parents' Act and the Adoption Act. The representative of each local Children's Aid Society acts for the Provincial Officer under the above Acts in a local community. All matters dealt with under the Children's Protection Act are handled by the local Society which is a locally autonomous organization. Certain supervision over the Societies is maintained by the Children's Aid Branch. Finances of these Societies are chiefly obtained from local private and municipal sources supplemented by certain provincial contributions. Total expenditures of the Children's Aid Societies for the year amounted to $1,398,266.75.

It is gratifying to note that the uniformity of practice developed on a Province-wide basis has placed the Societies in a position to render such service as they may be called upon to give on the "Home Front."

B. W. HEISE,

Provincial Superintendent.

CHILDREN'S AID BRANCH

ADOPTION STATISTICS

April 1st, 1939 to March 31st, 1940

NUMBER OF ADOPTIONS BY MONTHS

April	1939	87
May	1939	74
June	1939	64
July	1939	54
August	1939	83
September	1939	124
October	1939	153
November	1939	67
December	1939	143
January	1940	142
February	1940	138
March	1940	112
TOTAL ADOPTIONS		1241

AGES OF CHILDREN LEGALLY ADOPTED

April 1st, 1939 to March 31st, 1940

Born 1939	19	Born 1922	10
“ 1938	39	“ 1921	8
“ 1937	259	“ 1920	17
“ 1936	238	“ 1919	11
“ 1935	152	“ 1918	12
“ 1934	79	“ 1917	8
“ 1933	63	“ 1916	5
“ 1932	69	“ 1915	1
“ 1931	43	“ 1914	10
“ 1930	35	“ 1913	2
“ 1929	33	“ 1911	1
“ 1928	29	“ 1910	1
“ 1927	30	“ 1909	1
“ 1926	22	“ 1908	1
“ 1925	14	“ 1906	1
“ 1924	13	“ 1904	2
“ 1923	11	“ 1890	1
		1883	1
		Total	1241

CLASSIFICATIONS

Children's Aid Wards	250
Soldiers' Aid Commission Wards	......
Wards of Other Organizations	1
Children of Unmarried Parents	939
Abandoned Children, Foundlings	9
Orphaned Children	10
Children born out of wedlock before Unmarried Parents Act of 1921	......
One Parent Living	125
Both Parents Living	135
Husband adopts wife's child, (illegitimate and legitimate)	133
Parents Divorced	26
Child Adopted Second Time	11
Child Over Twenty-One Years	38
Born out of wedlock, not under Ontario Unmarried Parent Act	29
Married	8

X—Many children are included in more than one of the above classifications.

STATISTICAL REPORT

THE CHILDREN OF UNMARRIED PARENTS' ACT

Comparative report showing number of cases dealt with from July, 1921, to March 31st, 1940.

1921	July 1st, 1921, to October 31st, 1921	102	cases
1921-1922	October 31st, 1921, to October 31st, 1922	672	“
1922-1923	October 31st, 1922, to October 31st, 1923	1,162	“
1923-1924	October 31st, 1923, to October 31st, 1924	1,205	“
1924-1925	October 31st, 1924, to October 31st, 1925	1,347	“
1925-1926	October 31st, 1925, to October 31st, 1926	1,705	“
1926-1927	October 31st, 1926, to October 31st, 1927	1,724	“
1927-1928	October 31st, 1927, to October 31st, 1928	1,865	“
1928-1929	October 31st, 1928, to October 31st, 1929	1,886	“
1929-1930	October 31st, 1929, to October 31st, 1930	2,180	“
1930-1931	October 31st, 1930, to October 31st, 1931	2,250	“
1931-1932	October 31st, 1931, to October 31st, 1932	2,148	“
1932-1933	October 31st, 1932, to October 31st, 1933	2,248	“
1933-1934	October 31st, 1933, to October 31st, 1934	1,954	“
1934-1935	October 31st, 1934, to March 31st, 1935	798	“
1935-1936	March 31st, 1935, to March 31st, 1936	2,166	“
1936-1937	March 31st, 1936, to March 31st, 1937	2,203	“
1937-1938	March 31st, 1937, to March 31st, 1938	2,401	“
1938-1939	March 31st, 1938, to March 31st, 1939	2,371	“
1939-1940	March 31st, 1939, to March 31st, 1940	2,356	“
		34,743	cases

NEW CASES FOR THE YEAR

From April 1st, 1939, to March 31st, 1940 .... 2,356 cases

(Including 749 cases from Toronto District)

Of these	171	were pending
“ “	490	have been settled
“ “	1,689	have been closed
Of the Cases settled	355	were by Agreements with The Provincial Officer.
“ “ “ “	132	by Court Orders.
“ “ “ “	3	by Private Agreements approved by the Judge.
Of the Cases closed	782	no action was desired.
“ “ “ “	9	were dismissed by the Court for lack of sufficient corroborative evidence.
“ “ “ “	333	were closed for lack of sufficient corroboration.
“ “ “ “	94	there was no date.
“ “ “ “	114	couples married.
“ “ “ “	86	man unknown.
“ “ “ “	163	man's whereabouts unknown.
“ “ “ “	54	man outside of Province.
“ “ “ “	6	man dead.
“ “ “ “	39	man worthless.
“ “ “ “	9	criminal action taken.

There were three appeals to the Appellate Division : All three taken by the father and all three dismisssd.

There were 3 Varied Agreements.

“ “ 44 Varied Orders.

“ “ 71 Applications for Orders on Agreements on which 62 Affiliation Orders were granted.

“ “ 66 Summons Issued.

Annual Report

CHILDREN'S AID BRANCH OF THE PROVINCE OF ONTARIO

REPORT RE INVESTIGATION AND PREVENTION

(Exclusive of U.P. Work)

Fiscal Period—April 1st, 1939 to March 31st, 1940

STATISTICS

Total No. of cases open at first of the year	5220
No. of new cases	4506
No. of cases re-opened	1291
No. of cases closed	5935
Total No. of cases open at end of the year	5082

FIELD WORK

Cases reported during current year		4577
No. of children involved in above investigated cases		15661
No. of visits re all cases		47088
No. of office interviews re all cases		26415
No. of attendances on above cases :	(a) Mental Health	356
	(b) Medical	846
	(c) Dental	195
No. of court cases attended		5020

INCLUDING ALL ATTENDANCES ON EVERY CASE.

FACTORS—(Count ALL factors involved in above cases

Abuse or ill treatment		299
Death of only parent or guardian		114
Delinquency of child		1229
Desertion		453
Divorce		59
Drunkenness		754
Illness of parent or guardian		537
Imprisonment		144
Marital discord		
Mental defect:	Suspected	219
	Diagnosed	262
Mental illness:	Suspected	79
	Diagnosed	104
Neglect :	(a) Medical	105
	(b) Moral	825
	(c) Physical	954
Non support		517
One parent deceased		415
Personality problem		135
Separation of parents		1149
Sex offences :	(a) Adults with children	90
	(b) Children with children	35
Specific disease		34
Truancy		121
Unwarranted complaint		196
Sundry		874

NO. OF CHILDREN MADE WARDS: (Including children born out of wedlock)

Permanent		Temporary	
(a) New Commitments	424	(a) New Commitments	671
(b) From previous temporary wardship	219	(b) From previous temporary wardship	804

Annual Report

CHILDREN'S AID BRANCH OF THE PROVINCE OF ONTARIO

REPORT RE CHILDREN IN CARE

Fiscal Period—April 1st, 1939 to March 31st, 1940

STATISTICS

	Wards	Other Societies' Wards	Non Wards
Total No. of children in care at first of year	7949	969	2358
No. of children admitted to care during year	1223	305	2304
No. of children discharged during year	1191	388	2122
Total No. of children in care at end of year	7981	886	2540

TYPE OF CARE

		End of Year	
	Wards	Other Societies' Wards	Non Wards
Shelter	449	2	88
Boarding Home	3217	62	465
Adoption Probation	411	110	1587
Wage Home	1060	192	45
Free Home	2106	484	249
Other Institutions:			
1. Placed for specific care under direct supervision	311	11	86
2. Mental Hospital	229	15	1
3. Correctional Institution	194	10	19
TOTALS	7981	886	2540

FIELD WORK

1. No. of visits re all children in care	72761
2. No. of office interviews re all children in care	34598
3. No. of attendances on children:	
(a) Mental Health	1749
(b) Medical	15752
(c) Dental	1712
4. No. of children in care contacted in office or on visit during year	23656
5. No. of first placements of children	2233
6. No. of replacements of children (one home to another home)	1578
7. No. of children returned to the Shelter	1075
8. No. of Foster Home Investigations . . 2637 involving 4348 visits.	
9. No. of replacements shelter to foster home	890
10. No. of visits in search of foster homes	1811

INDUSTRIAL SCHOOLS

No. of investigations for Industrial Schools:	
(a) Before commitment	221
(b) Before parole	295

ADOPTION

No. of investigations for Final Adoption	859
No. of Final Adoption Orders Obtained	1072

FINANCIAL STATEMENT — CHILDREN'S AID SOCIETIES (RECEIPTS)

	MUNICIPAL PAYMENTS				PROVINCIAL PAYMENTS			PRIVATE			
	Main'nce from Munici-pality	Grant from Munici-pality	Main'nce from Outside Munici-palities	Main'nce from Parents and Others	Grant	Mileage	Payment for Wards	Donations Member-ships, Etc	Interest from Bequests	Sundry	Total Receipts from al Sources
Algoma	$ 10,277.96	$ 856.58	$ 1,618.10	$ 290.75	1,375.00	243.67	6,401.86	1,401.00	110.00	507.06	23,081.98
Brant	11,194.75		283.63	283.63	916.64	67.65	61 08	246.00	1,798.66	16.87	14,858.81
Bruce		4,500.00		105.99	1,000.00	213.55			425.99	7.22	6,252.75
Cochrane	4,776 25	1,500.00	1,037.00	7.00	1.375.00	148.61	12,483.00	2,801.61		20.00	24,148.47
Dufferin	3,229.06	600.00	251.95		1,000.09	9.15	310.46			33.19	5,533.81
Elgin	18,358 29	500.00	918.95	70.25	916.64	112.85	13.50	9.05	813.27	14,639.90	36,352.70
Fort William	3,916.05	1,393.20	75.15	25.00	500.00		2,345.25	16.00		1,090.63	9,361.28
Frontenac	12,941.90		3,165.60	231.41	1,500.00	187.58	821.25	31.18	217.50		19,096.42
Grey	6,984.50	2,820.00		283.07	916.64			465.36			11,469.57
Haldimand	10,928.25		853.32	136.00	916.64	41.35		304.96		35.00	13,215.52
Halton and Peel	10,926.00		295.50		916.64	197.55		383.15			12,718.84
Hamilton	52,754.02		3,356.49	791.04	1,375.00	298.24		195.00	780.00	11,990.70	71,540.49
Hastings	17,969.41		1,765.32	13.50	916.64				1,000.00	27.20	21,692.07
Huron	5,300.00				100.00	191.40			70.00		5,661.40
Kenora			479.50		458.13	159.45	672.08	196.50			1,965.66
Kent	4,413.50	8,230.00	806.00	128.00	916.64					336.18	14,830.32
Lambton	4,500.00	5.500.00		78.60	500.00	195.85	210.00	85.81	235.20	243.18	11,548.61
Lanark	358.20	6,700.00	626.25	149.00	1,000.00	91.15		12.89			8,937.49
Leeds and Grenville	27,232.20	250.00	1,174.95	1,372.69	1,500.00	103.85		2,916.54	1,768.01	34.37	36,352.61
Lennox and Addington	7,518.75		373.50	16.00	1,000.00	13.85		10.00	350.00	150.05	9,432.15
Lincoln	17,168.24		965.55	510.40	1,000.00			807.78		58.33	20,510.30
London and Middlesex	42,888.41		1,482.42	890.60	916.64				2,825.68		49,003.75
Manitoulin	969.67	10.00	144.44		500.00	174 13	244.73	8.45			2,051.42
Muskoka	720.00	415.00	423.25	150.00	916.64	503.74		543.12		717.70	4,389.45
Niagara Falls		5,300.00		105.40	500.00			41.22			5,946.62
Nipissing	7,501.94			1,137.76	916.64	626.69	3,423.35	700.78			14,307.16
Norfolk	15,103.10		718.39	120.03	1,375.00	176.85		113.00		1,035.37	18,641.74
Northumberland and Durham	8,862.80		3,520.78	335.95	916.64	116.00		4,662.20	780.56	45.17	19,240.10
Ontario	13,258.66		2,907.35		458.28	127.65				727.15	17.479.09
Ottawa and Carleton	58,510.30	5,574.98	2,948.50	6,699 58	1,500.00	131.31		14,189.55	304.27		89,858.49
Oxford	12,795.73		1,446.00	243.00	916.64	32.30	250.00	725.47	250.05	69.46	16,728.65
Parry Sound	2,415.50			546.70	1,000.00	626.33	2,441.75	33.50		8.66	7,072.44
Perth	1,947.75	4,000.00	409.50	103.00	458.28	97.55		487.50	148.12	415.00	8,066.70
Peterborough	8,236.17			449.40	1,000.00	64.77		1,626.24	430.00	65.01	11,871.59
Port Arthur	4,076.00				500.00		2,882.13	252.67		37.50	7,748.30
Prescott and Russell	20,064.00		100.50	297.06	999.93	243 20		13.00		29.82	21,747.51
Prince Edward	6,497.75		962.25	10.00	1,000.00	20.20		110.00	74.30	331.30	9,005.80
Rainy River	1,600.55				1,000.00	471.89	5,183.40	323.50		16.46	8,595.80
Renfrew	11,100.20	1,842.82	926.75		916.64	575.56		53.00		69.80	15,484.77
Simcoe	24,423.16		453.47	121.00	833.31	143.90	60.42	45.00		10.30	26,090.56
Stormont, Dundas and Glengarry	15,229.50		216.60	761 65	916.64	57.60				538.68	17,720.67
Sudbury	3,477.95	100.00	1,382.46	215.10	1,500.00	645.29	9,371.75	568.25		2,468.43	19,729.23
Temiskaming											
Toronto	197,790.01		13,361 87	10,862.37	1,500.00		1,231.58	74,234.97	4,257.62		303,238.42
Victoria and Haliburton	17,307.37		1,140.92	1,730.82	1,375.00	36.66		8.98		315.03	21,914.78
Waterloo	14.742.92			376.18	1,000.00	233.25	309.00				16,661.35
Welland	19,411.98		602.30	649.42	1,000.00			32.00		423.39	22,119.09
Wellington	17,744.18			58.00	1,000.00	131.50		1,046.26	312.67		20,292.61
Wentworth	7,377.54	1,264.50	502.89		500.00	38 85	212.00	32.32			9,928.10
Windsor (Protestant)	40,805.18	4,794 78	722 95	59.22	1,000.00	1.80		232 06	3 02		47,619 01
Windsor (R.C.)	40,457.12				1,500.00			940.00		84.55	42,981 67
York	8,578.72	58,499.00	356.86	4,277.93	1,500.00	91.50	238.24	2,650.56			76,192.81
R. C. St. Vincent de Paul	75,384.96		5,891.19	8,125.52	1,625.00		680.75	175.50		280.31	92,163 23
TOTALS	$930,026.45	$114,650.86	$58,668.40	$42,807.92	$ 51,140.89	$ 7,644.27	$ 49,847.58	$ 113,731.93	$ 16,954 92	$ 36,878.97	$ 1,422,452.19

FINANCIAL STATEMENT — CHILDREN'S AID SOCIETIES (EXPENDITURES)

	Shelter	Bdg. Homes	All Other	Total	Days' Care		Cost per Day	
					Shelter	Bdg. Homes	Shelter	Bdg. Homes
Algoma	$ 7,624.28	$ 10,259.32	$ 4,831.09	$ 22,714.69	12,167	16,730	63	61
Brant	3,108.94	8,231.98	4,420.82	15,761.74	2,947	12,618	1.05	65
Bruce	2,841.20		3,907.99	6,749.19	3,832		74	
Cochrane	4,208.10	12,876.57	6,369.05	23,453.72	4,352	19,218	.97	67
Dufferin		3,463.56	1,826.29	5,289.85		4,684		74
Elgin		18,505.25	9,133.22	27,638.47		25,802		72
Fort William	3,311.26	4,046.35	1,880.67	9,238.28	4,699	5,804	70	69
Frontenac		15,776.89	3,395.98	19,172.87		22,129		71
Grey	3,949.14	4,677.79	3,725.26	12,352.19	4,185	6,658	.94	71
Haldimand		11,615.82	2,322.11	13,937.93		13,572		.85
Halton and Peel		9,106.84	2,788.06	11,894.90		14,942		60
Hamilton	3,669.19	55,202.58	13,011.10	71,882.87	3,905	64,146	.93	.86
Hastings		18,303.24	3,796.50	22,099.74		31,411		.58
Huron	2,578.32	977.23	2,179.72	5,735.27	2,490	1,095	1.04	.89
Kenora		1,228.62	314.87	1,543.49		2,530		49
Kent	7,569.89	2,683.93	4,544.14	14,797.96	11,104	3,639	69	.73
Lambton		8,507.94	4,006.55	12,514.49		12,780		.66
Lanark		5,474.42	2,915.09	8,389.51		10,201		53
Leeds and Grenville	9,546.68	18,681.17	7,216.07	35,443.92	10,451	31,062	91	60
Lennox and Addington		7,457.06	2,252.39	9,709.45		10,776		69
Lincoln		13,771.69	6,241.60	20,013.29		27,651		49
London and Middlesex	10,501.04	31,336.97	9,544.85	51,382.86	13,804	42,421	77	.74
Manitoulin								
Muskoka		18,23.53	2,569.13	4,392.66		2,555		71
Niagara Falls	2,592.22	539.90	2,698.09	5,830.21	4,177	1,382	62	39
Nipissing	3,875.46	5,822.26	3,844.62	13,542.34	5,003	9,281	.77	63
Norfolk		14,203.01	6,927.85	21,130.86		17,868		76
Northumberland and Durham	4,695.28	8,042.31	2,912.39	15,649.98	4,611	11,922	1.02	67
Ontario	6,807.54	7,530.92	3,592.16	17,930.62	5,123	11,625	1.32	65
Ottawa and Carleton		62,542.76	31,317.18	93,859.94		79,024		.79
Oxford	3,748.15	8,274.47	3,473.44	15,496.06	3,482	16,471	1.07	50
Parry Sound	2,757.82	2,894.44	2,559.56	8,211.82	3,871	5,290	.71	54
Perth	3,018.99		4,460.49	7,479.48	4,463		.68	
Peterborough	3,257.58	4,229.41	3,247.20	10,734.19	4,664	6,351	.70	66
Port Arthur	4,132.19	1,100.39	2,200.60	7,433.18				
Prescott and Russell		12,644.28	5,367.78	18,012.06		26,764		47
Prince Edward		6,454.83	2,099.17	8,554.00		9,960		65
Rainy River		5,545.21	1,456.89	7,002.10		9,398		59
Renfrew	3,350.00	5,991.63	5,758.51	15,100.14	3,082	13,016	1.08	.46
Simcoe	6,416.91	16,198.78	4,034.79	26,650.48	8,924	29,887	.72	55
Stormont, Dundas and Glengarry		8,021.52	8,231.37	16,252.89		12,122		66
Sudbury	10,270.58	6,300.79	4,136.58	20,707.95	9,940	10,063	1.03	62
Temiskaming								
Toronto	14,493.60	215,389.13	80,042.61	309,925.34	6,588	255,250	2.20	.84
Victoria and Haliburton		15,433.17	4,395.52	19,828.69		22,908		.67
Waterloo	6,061.34	7,375.15	4,249.98	17,686.47	10,062	11,420	60	64
Welland	6,133.50	12,324.90	2,578.55	21,036.95	6,473	18,962	89	65
Wellington	3,697.10	4,668.55	12,588.43	20,954.08	1,676	9,417	2.21	.50
Wentworth	4,725.62	2,033.53	3,168.95	9,928.10	6,756	2,847	70	71
Windsor (Protestant)	2,796.41	40,150.06	5,201.73	48,148.20	1,386	52,150	2.02	77
Windsor (R.C.)	9,124.83	32,963.46		42,088.29	5,708	38,840	1.51	.84
York	5,366.08	36,963.85	22,015.14	64,345.07	5,564	48,882	.96	75
R. C. St. Vincent de Paul	4,266.23	77,210.73	7,130.96	88,637.92	1,190	95,063	3.58	81
TOTALS	170,495.47	884,888.19	342,883.09	1,398,266.75	176,679	1,208,587	.96	.73

CHILDREN'S INSTITUTIONS

April 1, 1939 — March 31, 1940

During the year under review, forty-two children's institutions in the Province provided 673,874 days' care at a total cost of $778,959.82. The average cost per diem is approximately 85c.

Each of the institutions is subject to periodic visits by Provincial Inspectors whose reports indicate that the physical care given the children is fairly adequate. Some units have a dearth of recreational outlets and the programmes could be strengthened in a number of cases if more consideration were given to the emotional and cultural development of the children in care.

Each institution, before it may qualify for a Government grant, must be approved under the Charitable Institutions Act. When so approved, it is eligible to receive a grant of 5c or 10c a day per inmate, depending on age. Such grant is paid twice yearly. For the past year $64,338.07 was paid by the Province in grants.

Several institutions arrange to have their children attend nearby schools thus eliminating the necessity of maintaining a school within the institutional building. This and many other methods are utilized to make the child's stay within the institution as nearly homelike as possible.

B. W. HEISE,

Provincial Superintendent.

ORPHANAGES
COST OF MAINTENANCE

Name of Orphanage	Location	Total Collective Days Stay of Residents	Total Cost of Dietaries	Other Maintenance Cost	Total Maintenance Cost	Average Cost of each Resident Per Day
St. Joseph's Orphanage	Cobourg	9,776	$ 1,983.98	$ 4,793.39	$ 6,777.37	$ .60
Nazareth Orphanage	Cornwall	26,685	4,558.28	8,478.94	13,037.22	.49
St. Joseph's Orphanage	Fort William	40,050	6,255.71	18,387.62	24,643.33	.62
Boys' Home	Hamilton	14,015	3,751.25	7,744.11	11,495.36	.82
Girls' Home	Hamilton	18,371	3,660.81	7,129.23	10,790.04	.59
Home of the Friendless and Infants' Home	Hamilton	28,621	5,642.07	12,686.68	18,328.75	.64
St. Mary's Orphan Asylum	Hamilton	41,866	11,839.42	29,996.01	41,835.43	1.00
Salvation Army Rescue Home	Hamilton	11,176	2,382.37	11,638.53	14,020.90	1.25
St. Joseph's Orphanage	Hearst	20,016	3,287.93	7,393.63	10,681.56	.53
Home of Friendless Women and Infants	Kingston	9,187	1,112.89	2,549.50	3,662.39	.40
Orphans' Home and Widows' Friend Society	Kingston	7,018	998.90	8,149.72	9,148.62	1.30
St. Mary's of the Lake Orphanage	Kingston	23,600	4,530.29	11,331.31	15,863.60	.67
Mount St. Joseph's Orphanage	London	31,856	7,139.35	26,268.23	33,407.58	1.05
Protestant Orphans' Home	London	16,010	2,434.54	7,911.11	10,345.65	.65
Ronald Roy Gray Memorial Home	London	8,115	2,340.52	5,407.32	7,747.84	.95
Salvation Army Rescue Home	London	12,911	2,382.37	10,916.47	13,298.84	1.03
Agnes Stroud Home	Ottawa	6,214	474.92	7,885.53	8,360.45	1.35
Protestant Children's Village	Ottawa	12,868	2,981.70	12,802.33	15,784.03	1.23
St. Joseph's Orphanage	Ottawa	80,340	16,349.39	28,333.35	44,682.74	.56
St. Mary's Home	Ottawa	13,413	2,647.46	5,954.12	8,601.58	.64
St. Patrick's Home	Ottawa	22,128	3,545.60	6,293.80	9,839.40	.44
Salvation Army Rescue Home	Ottawa	16,080	1,683.52	6,420.16	8,103.68	.50
St. Vincent's Orphanage	Peterborough	5,054	1,308.75	4,673.86	5,982.61	1.18
Loyal True Blue and Orange Home	Richmond Hill	39,248	5,777.04	21,429.10	27,206.14	.69
St. Agatha Orphans' Home	St. Agatha	24,129	528.88	20,819.95	21,384.83	.89
Protestant Orphans' Home	St. Catharines	5,005	1,057.46	6,065.30	7,122.76	1.42
D'Youville Orphanage	Sudbury	19 007	1 780.34	5 824.67	7 605.01	.40
Boys' Home	Toronto	13,650	3,400.13	13,813.20	17,213.33	.13
Catholic Welfare Bureau	Toronto			30,828.53	30,828.53	
Carmelite Orphanage	Toronto	15,223	2,553.68	12,894.80	15,448.48	1.01

Humewood House	Toronto	7,320	1,735.12	8,139.71	9,874.83	1.35
Infants' Home and Infirmary	Toronto			115,462.77	115,462.77	
Jewish Children's Bureau	Toronto			39,249.55	39,249.55	
Ontario Oddfellows' Home	Toronto	1,749	1,396.31	7,063.86	8,460.17	4.84
Pentacostal Bethel Home	Toronto	3,071	1,093.85	2,745.69	3,839.54	1.25
Protestant Children's Home	Toronto			69,626.16	69,626.16	
St. Mary's Infants' Home	Toronto	10,792	4,547.14	8,496.14	13,043.28	1.20
Sacred Heart Orphanage	Toronto	15,538	4,050.08	6,980.68	11,030.76	.71
Salvation Army Children's Home	Toronto	14,063	2,426.27	5,191.53	7,617.80	.54
Victor Home for Women	Toronto	8,598	1,241.49	4,116.67	5,358.16	.62
Working Boys' Home	Toronto	13,623	4,345.72	7,337.14	11,682.86	.86
Kitchener Orphanage	Waterloo	7,488	1,185.43	9,316.46	10,501.89	1.40
		673,874	$130,410.96	$648,548.86	$778,959.82	$ .85

ORPHANAGES
RESIDENTS

Name of Orphanage	Location	No. of Beds	Number of Residents on January 1, 1939	Number Admitted During Year	Total Number Under Lodgement During Year	Total Number Discharged During Year	Number of Deaths During Year	Number Remaining in December 31, 1939
St. Joseph's Orphanage	Cobourg	35	25	2	27	3		24
Nazareth Orphanage	Cornwall	70	68	66	134	59		75
St. Joseph's Orphanage	Fort William	140	115	128	243	104	1	138
Boys' Home	Hamilton	60	40	15	55	17		38
Girls' Home	Hamilton	50	48	12	60	11		49
Home of the Friendless and Infants' Home	Hamilton	110	76	148	224	153		71
St. Mary's Orphan Asylum	Hamilton	140	114	75	189	87		102
Salvation Army Rescue Home	Hamilton	32	26	140	166	139		27
St. Joseph's Orphanage	Hearst	75	63	57	120	49		71
Home of Friendless Women and Infants	Kingston	31	29	44	73	49	1	23
Orphans' Home and Widows' Friend Society	Kingston	20	21	19	40	22		18
St. Mary's of the Lake Orphanage	Kingston	75	57	42	99	39	1	59
Mount St. Joseph Orphanage	London	150	88	49	137	48		89
Protestant Orphans' Home	London	55	43	10	53	12		41
Ronald Gray Memorial Home	London	30	21	10	31	9		22
Salvation Army Rescue Home	London	25	32	106	138	111	1	26
Agnes Stroud Home	Ottawa	43	19	76	95	74		21
Protestant Children's Village	Ottawa	50	37	100	137	110		27
St. Joseph's Orphanage	Ottawa	263	246	157	403	221		182
St. Mary's Home	Ottawa	50	37	87	124	83	2	39
St. Patrick's Home	Ottawa	82	56	67	123	55		68
Salvation Army Rescue Home	Ottawa	60	43	128	171	133		38
St. Vincent's Orphanage	Peterborough	35	16	8	24	8		16
Loyal True Blue and Orange Home	Richmond Hill	200	109	33	142	37	1	104
St. Agatha Orphans' Home	St. Agatha	86	73	40	113	49		64
Protestant Orphans' Home	St. Cathatines	31	12	3	15	3		12
D'Youville Orphanage	Sudbury	60	54	17	71	15		56
Boys' Home	Toronto	55	41	12	53	14		39
Catholic Welfare Bureau	Toronto		464	327	791	355		436
Carmelite Orphanage	Toronto	58	41	4	45	5		40

Humewood House	Toronto	19	20	67	87	71	1	15
Infants' Home and Infirmary	Toronto		275	512	787	504	4	279
Jewish Children's Bureau	Toronto		111	97	208	89		119
Ontario Oddfellows' Home	Toronto	48	5		5	1		4
Pentecostal Bethel Home	Toronto	15	12	31	43	33		10
Protestant Children's Home	Toronto		205	286	491	298		193
St. Mary's Infants' Home	Toronto	50	34	123	157	130	2	25
Sacred Heart Orphanage	Toronto	85	41	18	59	17		42
Salvation Army Children's Home	Toronto	40	40	13	53	14		39
Victor Home for Women	Toronto	35	20	55	75	48		27
Working Boys' Home	Toronto	52	41	115	156	117		39
Kitchener Orphanage	Waterloo	36	19	13	32	11		21
		2,551	2,937	3,312	6,249	3,407	14	2,828

ORPHANAGES
RECEIPTS

Name of Orphanage	Location	Receipts from Paying Residents	Receipts from Municipalities for Indigent Residents	Grants from Municipalities, Federal Government, Etc.	Provincial Grant	Receipts, Investments, Endowments, Donations, Etc.	Total Receipts
St. Joseph's Orphanage	Cobourg	$ 368.13	$ 86.52	$ 1,047.00	$ 570.75	$ 4,738.23	$ 6,810.63
Nazareth Orphanage	Cornwall	4,248.34			1,368.75	7,253.45	12,870.54
St. Joseph's Orphanage	Fort William	1,897.69	750.00	12,825.59	1,973.85	7,976.02	25,423.15
Boys' Home	Hamilton		2,281.50		742.55	8,471.31	11,495.36
Girls' Home	Hamilton	874.88	3,690.50		872.60	5,274.05	10,712.03
Home of the Friendless and Infants' Home	Hamilton	462.25	11,332.80		1,788.00	3,604.18	17.187.23
St. Mary's Orphan Asylum	Hamilton	4,999.10	7,988.86		2,284.45	13,602.50	28,874.91
Salvation Army Rescue Home	Hamilton	6,303.79			1,664.20	2,788.29	10,756.28
St. Joseph's Orphanage	Hearst	4,381.66			1,144.50	1,182.00	6,708.16
Home of Friendless Women and Infants	Kingston	924.50	837.50		626.85	261.85	2,650.70
Orphans' Home and Widows' Friend Society	Kingston	390.15			996.65	6,309.22	7,696.02
St. Mary's of the Lake Orphanage	Kingston	2,326.18	4,439.25		1,180.00	6,650.05	14,595.48
Mount St. Joseph Orphanage	London	852.00	2,400.00		1,720.85	14,411.60	19,384.45
Protestant Orphans' Home	London	2,414.85	1,200.00		832.50	6,255.34	10,702.69
Ronald Roy Gray Memorial Home	London	2,094.55			437.00	1,555.61	4,087.16
Salvation Army Rescue Home	London	6,303.79			1,664.20	2,788.29	10,756.28
Agnes Stroud Home	Ottawa	180.00			945.50	798.02	1,923.52
Protestant Children's Village	Ottawa	2,594.45	1,397.00		616.00	12,964.39	17,571.84
St. Joseph's Orphanage	Ottawa	7,183.32	10,871.43		3,993.05	12,566.00	34,613.80
St. Mary's Home	Ottawa	574.79	500.00		1,033.20	6,400.00	8,507.99
St. Patrick's Home	Ottawa	4,379.50	798.50		1,117.40	4,320.77	10,616.17
Salvation Army Rescue Home	Ottawa	2,234.50	424.36		1,246.40	1,907.67	5,812.93
St. Vincent's Orphanage	Peterborough	595.22	200.00		315.15	4,923.09	6,033.46
Loyal True Blue and Orange Home	Richmond Hill	1,395.10			1,993.70	30,294.68	33,683.48
St. Agatha Orphans' Home	St. Agatha	956.25	1,000.00		1,288.05	6,677.97	9,922.27
Protestant Orphans' Home	St. Catharines	742.25			362.20	7,808.24	8,912.69
D'Youville Orphanage	Sudbury	2,487.00			980.24	3,625.32	7,092.56
Boys' Home	Toronto	2,680.50	924.00		866.30	16,090.51	20,561.31
Catholic Welfare Bureau	Toronto	3,524.63	11,353.25		9,777.30	8,551.57	33,206.75
Carmelite Orphanage	Toronto	632.55			845.60	13,970.33	15,448.48

Humewood House	Toronto	416.22	119.30		642.30	7,769.04	8,946.86
Infants' Home and Infirmary	Toronto	12,626.13			5,678.50	97,664.35	115,968.98
Jewish Children's Bureau	Toronto	1,619.74	4,499.43	10,139.28	2,649.15	20,608.87	39,516.47
Ontario Oddfellows' Home	Toronto				91.25	7,847.09	7,938.34
Pentecostal Bethel Home	Toronto	1,005.37			299.65	2,197.85	3,502.87
Protestant Children's Home	Toronto	12,868.10	15,054.54		4,384.30	34,742.90	67,049.84
St. Mary's Infants' Home	Toronto	160.28	1,571.85		928.90	10,320.00	12,981.03
Sacred Heart Orphanage	Toronto	1,658.60			824.05	9,513.02	11,995.67
Salvation Army Children's Home	Toronto	2,686.02			1,244.30	1,253.15	5,183.47
Victor Home for Women	Toronto	233.00			612.33	1,667.05	2,512.38
Working Boys' Home	Toronto	7,014.30	500.00		1,303.05	2,865.51	11,682.86
Kitchener Orphanage	Waterloo	823.56	250.00		442.50	6,242.96	7,759.02
		$110,113.24	$84,470.59	$24,011.87	$64,348.07	$426,712.34	$709,656.11

REPORT OF REFUGES, HOMES FOR AGED AND INFIRM

The principal aim of all Refuges is to provide a haven for all those aged or infirm who are dependent and require food, shelter, clothing and other necessities.

The Department of Public Welfare advises with all Boards of Management, the Superintendents and Matrons, and all interested persons so that every facility for the betterment of the Refuges may be secured, and charitable and kindly treatment be extended to all residents.

The keen sense of responsibility evidenced by most officials is very gratifying to this Department and all are to be commended and thanked for their excellent cooperation.

The steady increase in the per diem maintenance cost for the last few years may be attributed to the many improvements and additions to main buildings, the installation of fire prevention equipment, new barns, etc.

Below you will find statistical figures for all Refuges:

STATISTICAL SUMMARY

January 1st, 1939, to December 31st, 1939.

	Number Admitted	Number Discharged	Number Deaths	Total Number Pensioners	Average Number Residents
County	635	300	277	663	2206
City	2605	2292	348	1424	3213
Districts	60	20	25	63	175
	3300	2612	650	2150	5594

	Total Number Male	Total Number Female	Total Number Residents	Total Cost	Average Cost per Resident Per Diem
County	1960	966	2926	$ 571,348.29	$ .69
City	2622	3262	5884	1,061,100.46	1.12
Districts	188	44	232	50,565.54	.80
	4770	4272	9042	$1,683,014.29	$ .87

S. L. CHARLTON,

Inspector of Refuges.

RECEIPTS—CITY HOUSES OF REFUGE OR HOMES FOR AGED PERSONS—JANAURY 1st, 1939, TO DECEMBER 31st, 1939

Name	Location	Bank Balance, December 31, 1938	Districts or Counties	Farm Garden Stock, Etc.	Interest, Donations, Bequests, Loans, Etc.	Municipalites	Paying Residents	Pensioners, Blind—O.A.P.	Provincial Government	All Others	Net Loss	Total
Home for the Aged	Belleville	$	$	$	$ 763.83	$ 1,075.00	$	$ 1,780.00	$ 311.40	$	$	$ 3,910.23
Widows' Home	Brantford				813.53		446.00	2,060.00	183.50	14.50	3.48	3,521.01
Home for the Friendless	Chatham					3,946.01	583.00	1,494.78	591.20			6,614.99
St. Paul's Home	Cornwall				3,561.42		10,831.40	5,433.08	2,130.90		435.30	22,392.10
House of Providence	Dundas				5,774.68	1,200.00	11,105.86	8,668.00	3,200.00	4,012.02	646.91	34,607.47
The Elliott Home	Guelph				1,503.17		9,640.85		775.70		1,265.55	13,185.27
House of Providence	Guelph		1,148.32	5,343.61	28.96	990.61	1,210.51	4,217.55	729.20	534 94	947.46	15,151.16
Aged Women's Home	Hamilton				8,434.65	3,756.80			1,858.00	75.46	2,096.73	16,221.64
Home for the Aged and Infirm	Hamilton					32,774.99	1,859.41	11,620.33	5,704.80			51,959.53
House of Providence	Kingston		3,480.94		1,000.55	2,110.05	12,321.63	14,370.20	4,869.00	19,531.68	2,020.16	59,704.21
House of Refuge	Kingston		2,505.03	526.10	4,245.89		260.00	720.00	943.00		438.63	9,639.55
House of Providence	London		10,645.23		608.74	3,997.80	9,843.88	12,973.42	3,886.10	24.91	4,813.81	46,793.89
McCormick Home	London				3,229.66	5,477.74	4,524.91	9,570.71	1,553.20		4,828.43	29,184.65
Bronson Memorial	Ottawa				1,872.53	122.60	939.20	3,593.20	325.10	415.00	1,103.89	8,371.52
May Court Convalescent Home	Ottawa					442.90	2,183.60		339.60	3,989.72		6,955.82
Our Lady of Charity Refuge	Ottawa			710.95	683.92	479.65	300.00	1,098.60	2,879.95	23,331.89	56,368.99	85,853.95
Protestant Home for the Aged	Ottawa		1,032.00		93.22	431.40	429.50	2,708.84	637.90		1,925.00	7,257.86
St. Charles' Home	Ottawa				20,552.51	22,632.04	25,196.84	24,399.59	6,921.40	799.25	163.63	100,665.26
St. Patrick's Home	Ottawa			1,065.45		1,198.10	2,919.90	7,240.88	2,679.10	624.43		15,727.86
Anson House	Peterborough			665.00	1,841.26	855.50	3,936.75	2,623.50	774.70	297.24		10,993.95
House of Providence	Peterborough				6,538.15	3,883.40	2,858.89	8,945.98	1,354.70	106.45	3,159.92	26,847.49
Thomas Williams Home	St. Thomas	815.32			4,847.56		899.08	1,862.85	361.00			8,785.91
Aged Men's Home	Toronto				4,254.29	1,050.50	5,906.60	8,360.00	871.30	108.31	112.51	20,663.47
Aged Women's Home	Toronto				1,915.58	2,372.00	16,985.00	14,520.00	1,839.11	131.07	763.84	38,526.60
Church Home for Aged	Toronto				4,103.75	181.50	13,064.15		939.00	608.75	11.25	18,908.40
Good Shepherd Refuge	Toronto					607.00	129.00		5,858.10	32,502.68	9,000.00	48,096.78
The Haven	Toronto				672.69	1,158.75	4,070.81		4,332.80	8,509.00		18,741.05
House of Industry	Toronto				2,883.72	7,633.89		7,668.60	2,180.00			20,357.11
House of Providence	Toronto			1,612.08	21,788.86	21,799.50	23,917.94	27,763.90	13,384.10	14,496.00	4,699.46	129,461.84
Independent Order of Odd Fellows	Toronto			40.00	7,285.25			2,741.00	978.70	24,063.08	88.50	35,196.53
Industrial Refuge	Toronto				621.57	8,484.50	360.00	648.00	2,310.32	15,364.35		27,788.74
Jewish Old Folks' Home	Toronto				1,601.23	1,790.50	5,557.78	7,336.06	2,687.90	16,103.02	8,028.25	43,104.74
Julia Greenshields Home	Toronto				531.52		9,633.32		676.80	81.10	3,063.34	13,986.08
St. Mary's Rest Home	Toronto						8,380.30	722.70	547.60	97.82	181.34	9,929.76
Salvation Army Aged Men's Home	Toronto				50.00		3,300.00	7,005.81	628.40		658.25	11,612.46
Salvation Army Rescue Home	Toronto			494.61	257.17		3,577.69		748.70		1,851.94	6,930.11
Salvation Army Receiving Home	Toronto			—	20.00	1,950.00	2,890.67		391.20		1,105.13	6,357.00
Good Shepherd Refuge	Windsor				4.83				1,209.40	16,935.78	3,006.27	21,156.28
The Homestead	Windsor	1,773.03			19.16	2,200.00		1,185.00	728.00			5,905 19
		$ 2,588 45	$18,811.52	$10,457.80	$112,383.81	$134,602.73	$200,064.47	$203,332.58	$ 83,312.68	$182,758.45	$112,787.97	$1,061,100.46

Algoma District Refuge	Sault S. Marie		18,637.22			$	$ 508.10	$ 5,314.40	$ 3,461.60	$ 14.12	$	$ 27,935.44
Nipissing Distrct Refuge	North Bay		7,122.76	146.81			1,114.13	2,173.00	1,655.50		153.88	12,366.08
Parry Sound District Refuge	Powassan		5,351.60				869.29	2,658 13	1,380.00	5 00		10,264.02
			$31,111.58	$ 146.81			$ 2,491.52	$ 10,145.53	$ 6,497.10	$ 19.12	$ 153.88	$ 50,565.54

RECEIPTS—COUNTF HOUSES OF REFUGE, HOMES FOR AGED PERSONS—JANUARY 1st, 1939, TO DECEMBER 31st, 1939

Name	Location	County	Farm Garden Stock, Etc.	Interest, Donations, Bequests, Loans, Etc.	Municipalities	Paying Residents	Pensioners, Blind—O.A.P.	Provincial Government	All Others	Net Loss	Cash in Bank, January 1st, 1939	Total
Brant	Brantford	$ 4,469.04	$ 567.54		$ 5,479.43	$	$ 5,270.88	$	$	$	$ 1,634.38	$ 17,421.27
Bruce	Walkerton	6,723.38	855.03	1,548.00		550.75	3,383.38					13,060.54
Elgin	St. Thomas	4,490.16	1,043.72	1,395.31			1,376.94					8,306.13
Essex	Leamington	13,119.50	5,386.68			408.89	2,329.93					21,245.00
Grey	Markdale	6,104.99	1,886.24		2,655.16	167.24	4,350.00		294.01			15,457.64
Haldimand	Dunnville	5,355.85	1,803.39				2,412.00					9,571.24
Hastings	Belleville	8,334.60	2,218.78	2,000.00		1,129.67	6,284.37		1,213.42			21,180.84
Huron	Clinton	7,000.00	4,120.93	87.48		2,706.20	5,284.00					19,198.61
Kent	Chatham	11,306.93	996.43			228.00	4,647.27					20,178.62
Lambton	Sarnia	12,663.43	769.61			844.00	2,820.00					17,097.04
Lanark	Perth		1,993.55		11,722.39	268.85	4,670.00		166.42			18,821.21
Leeds and Grenville	Athens	7,079.51	766.30		1,086.00	186.00	1,317.10					10,434.91
Lincoln	St. Catharines.	9,502.23	2,555.59		2,385.71	49.22	2,323.58		5.81			16,822.14
Middlesex	Strathroy	7,157.57	1,369.44	80.00		458.68	2,270.91		149.89			11,486.49
Norfolk	Simcoe	15,950.00	183.71				3,834.16		15.35			19,983.22
Northumberland and Durham	Cobourg	11,253.98	334.13				3,177.06		1,544.72			16,309.89
Ontario	Whitby	14,344.18	1,571.89			432.00	7,675.76	2,022.70				26,046.53
Oxford	Woodstock	4,615.07	2,791.16		2,164.46	1,206.38	3,488.07		48.67			14,313.81
Peel and Halton	Brampton	6,600.00	541.91			1,412.14	5,951.01		115.75		601.42	15,222.23
Perth	Stratford	7,366.82	272.39	142.05	2,861.99	588.00	3,888.71		10.45			15,130.41
Peterborough	Lakefield	& 3,870.93	578.64			153.25	1,491.19		2.25			6,096.26
Prescott and Russell	L'Original	9,497.95	919.64				4,514.35					14,931.94
Prince Edward	Picton	4,032.30	1,124.52			1,151.90	3,503.50		105.00			9,920.22
Simcoe	Beeton	11,082.11	3,410.93	345.14	2,290.80	836.50	4,170.32		17.50			22,153.30
Stormont, Dundas and Glengarry	Cornwall	23,204.31	8,730.21	200.00		435.00	4,924.00		110.44	114.50		37,718.37
Victoria	Lindsay	6,931.62	4,706.35		779.93	490.50	2,850.05	511.00				16,269.45
Waterloo	Kitchener	49,131.43	5,664.13	298.50		2,306.80	8,152.31					65,553.17
Welland	Welland	11,733.33	366.39	572.95	1,787.55	234.64	2,067.00					16,761.81
Wellington	Fergus	8,700.00	1,700.33	340.00	620.35	1,461.53	3,740.00		41.89			16,604.10
Wentworth	Dundas	7,948.50	404.05	1,185.94		100.00	5,698.30					15,339.79
York	Newmarket	13,343.07	1,297.06			1,253.87	6,818.11					22,712.11
		$315,912.79	$60,939.58	$ 8,198.32	$ 33,833.77	$ 19,063.01	$ 124,684.25	$ 2,533.70	$ 3,841.57	$ 114.50	$ 2,235.80	$ 571,348.29

DISBURSEMENTS—COUNTY HOUSES OF REFUGE, HOMES FOR AGED PERSONS—JAN. 1st, 1939, TO DECEMBER 31st, 1939

Name	Location	Buildings and Repairs	Clothing, Shoes, Etc.	Farm-Garden Supplies, Equipment	Feed, Farm, Stock, Etc.	Food and Provisions	Fuel and Heating	Funeral Expenses, Residents	House Furnishings, Bedding, Laundry, Etc.	Insurance Prepaid or Unexpired	Interest, Mortgages, Overdrafts, Etc.	Light and Power	Physicians' Salary
Brant	Brantford	$ 1,091.18	$ 356.76	$ 492.10	$ 202.50	$ 3,557.44	$ 1,087.79	$	$ 1,848.82	$ 453.65	$	$ 209.68	$ 570.00
Bruce	Walkerton	2,093.07	426.34	253.73	756.54	3,078.20	1,013.87	228.12	377.46	51.85		301.81	200.00
Elgin	St. Thomas	950.60	264.90	646.57	280.80	1,234.33	1,276.24	100.00	269.62	127.01			270.00
Essex	Leamington	1,412.72	595.68	1,378.79	516.61	7,298.24	1,041.75	225.00	2,193.42	315.59		161.49	200.00
Grey	Markdale	2,434.95	515.62	4.85	1,855.75	3,428.85	981.35	278.00	1,350.07	10.00		252.73	350.00
Haldimand	Dunnville	1,012.19	499.36	1,376.98	760.85	2,256.10	336.51	161.00	54.86	195.05		185.55	200.00
Hastings	Belleville	2,792.14	644.16		728.27	6,033.84	2,074.52	118.95	2,005.25	96.95		220.06	400.00
Huron	Clinton	1,836.40	318.72	758.47	1,578.34	1,275.47	1,191.06	365.21	649.08	218.81	14.53	576.23	360.00
Kent	Chatham	3,424.99	549.70	127.92	961.09	4,310.89	1,571.69		2,088.99			295.43	400.00
Lambton	Sarnia	5,985.93	554.07	53.60	448.71	4,290.77	874.48	68.00	281.15	27.26		96.67	300.00
Lanark	Perth	961.44	1,315.96	269.92	1,215.82	5,470.89	2,078.95	255.50	674.65	319.65		367.71	400.00
Leeds and Grenville	Athens	3,405.42	241.35	25.70	884.72	1,353.00	1,325.55	27.00	218.89			115.37	225.00
Lincoln	St. Catharines	792.21	511.39	2,141.81	1,478.20	2,589.00	988.91	72.00	1,630.12			420.06	180.00
Middlesex	Strathroy	477.16	244.26		467.46	2,935.02	1,053.96		1,651.12	119.89		342.70	313.34
Norfolk	Simcoe	3,974.57	830.05		1,566.15	4,275.69	1,373.34	356.00	148.74	73.30		245.15	300.00
Northumberland and Durham	Cobourg	1,583.66	453.07		515.75	5,400.52	1,174.93	90.00	606.40	265.00		1,173.98	425.00
Ontario	Whitby	2,599.01	1,280.69	1,071.53	721.50	8,391.43	1,463.74	543.00	2,787.04			528.94	425.21
Oxford	Woodstock	1,077.73	654.82	990.85	1,646.74	3,303.15	1,239.67	62.00	615.28			319.94	400.00
Peel and Halton	Brampton	1,576.70	998.19	688.13	1,333.74	3,491.33	1,133.74	349.00	332.14	27.75		292.50	400.00
Perth	Stratford	4,057.12	1,008.76	150.82	356.46	3,575.24	1,188.08	221.00	1,041.23	123.00		380.35	200.00
Peterborough	Lakefield	219.25	123.56		302.56	1,215.91	654.31		69.61	190.99		203.79	200.00
Prescott and Russell	L'Orignal	210.77	693.21	606.32	1,873.06	2,182.04	2,234.27	42.00	440.00	443.15		375.05	200.00
Prince Edward	Picton	1,660.34	329.56	458.36	611.55	1,841.77	731.21	279.00	138.62	213.75		218.15	350.00
Simcoe	Beeton	1,581.51	901.28	45.77	1,473.00	6,029.05	3,774.20	140.00	597.12	75.25	530.00	640.62	180.00
Stormont, Dundas and Glengarry	Cornwall	11,201.74	445.21	21.61	6,300.59	10,305.29	844.33	122.00	1,968.27			792.65	225.00
Victoria	Lindsay	933.50	686.42	311.10	1,024.20	6,139.70	1,777.34	66.00	874.82	190.44	151.98	429.51	270.00
Waterloo	Kitchener	20,438.46	2,419.86	1,372.44	4,540.57	10,510.45	4,399.07	68.00	1,016.43	756.52		1,189.35	785.00
Welland	Welland	1,436.03	725.38	821.85	753.78	4,591.02	2,058.67		883.20	584.81		385.34	175.00
Wellington	Fergus	3,814.26		1,700.33	527.32	2,369.94	624.95		709.31	259.75		762.68	250.00
Wentworth	Dundas	1,392.17	404.57	110.02	1,120.93	3,779.58	906.96	203.00	677.19	158.61		196.16	300.00
York	Newmarket	2,065.82	810.26		867.69	4,888.35	1,706.82		2,233.40	658.42	72.18	731.92	500.00
		$87,493.04	$19,833.16	$15,879.57	$37,671.28	$135,402.50	$44,122.26	$4,472.78	$30,382.11	$6,389.49	$ 768.69	$12,414.27	$9,953.55

DISBURSEMENTS—COUNTY HOUSES OF REFUGE, HOMES FOR AGED PERSONS—JAN. 1st, 1939, TO DECEMBER 31st, 1939

Name	Location	Dentist Drugs, Spirits, Surgical or Medical Supplies	Pension Refunds	Salaries—Superintendent and (or) Matron	Stationery, Office Supplies, Etc.	Taxes	Telephone, Telegraph, Freight, Etc.	Wages—All Employees, Board of Management	Water and Ice	All Others	Depreciation, Plant-Building Equipment, Uncollectible Accounts	Cash on Hand, December 31, 1939	Profit	Total
Brant	Brantford	$ 207.82	$	$ 1,780.00	$ 86.17	$	$ 74.27	$ 3,561.60	$ 94.63	$	$	$1,747.65	$	$ 17,421.27
Bruce	Walkerton	208.51	203 75	1,350.00	168.21		71 45	1,771.63		500.00				13,069.54
Elgin	St. Thomas	32.35		1,760.00				422.25		371.46				8,306 13
Essex	Leamington	361.68	266.00	1,375.00	16 63		90 24	2,668.13			1,128.00			21,245.00
Grey	Markdale	671 48	65	1,199 88	63.89		175.47	1,202.21	185.97	515.92				15,457.64
Haldimand	Dunnville	462 87		600 00	33.10			1,358.82	75.00					9,571.24
Hastings	Belleville	161.04	610 00	1,800.00			65 40	2,660.10	325.38	414.78				21,180.84
Huron	Clinton	365.34	522 40	1,215.00	69 75	33 88	96 28	2,331.85		231.01			2,190.75	19,198 61
Kent	Chatham	485.75	584.08	1,250.00	13.39		45 60	2,673.24	379.76	1,016.10				20,178 62
Lambton	Sarnia	428.36	278 00	1,291.87	100.37	77.71	60.89	1,759.34	119.66					17,097.04
Lanark	Perth	421.93		1,620.00	32 40		71.09	2,549.40	82.65	287.15			426.10	18,821.21
Leeds and Grenville	Athens	228.19	92 00	1,049.96			81.43	1,130.00		91.33				10,434.91
Lincoln	St. Catharines	305.96		1,300.00	24.31	118.00	178 78	2,477.43	157.00	486.96				16,822 14
Middlesex	Strathroy	351.38		1,400.00				1,976.18		124.02				11,486.49
Norfolk	Simcoe	956.59	369 00	2,550.00	52.89		49 11	1,541 52					1,340.82	19,983 22
Northumberland and Durham	Cobourg	241.75		1,000 60	26.48			2,792.45		60.90				16,309.89
Ontario	Whitby	606.13	727.30	1,537.50	31.51		107.11	3,284.89						26,046.53
Oxford	Woodstock	108.88	158 00	1,100 00	97.60		84.38	1,498.40		956.37				14,313.81
Peel and Halton	Brampton	151.96		1,720.00	87 77	56.00	91 60	1,558 75	286.86	125.77		520.30		15,222 23
Perth	Stratford	381.78		1,200 00	49.06		62.30	693.15	21.00	421.06				15,130 41
Peterborough	Lakefield	111 29	142 00	761.05			68.99	1,083.86	33.60	715.49				6,096.36
Prescott and Russell	L'Original	179 62		1,200.00	39 75		21.45	4,116.00		75.25				14,931.94
Prince Edward	Picton	39.60		1,300.00			54.57	1,327.24		366.50				9,920.22
Simcoe	Beeton	270.26	603.00	1,900 00	88.32	58 72	135.59	1,557.16	342 00	1,230.44				22,153.30
Stormont, Dundas and Glengarry	Cornwall	170 66	532 63	1,890.00			51.00	1,839.57	525.00	482.82				37,718.37
Victoria	Lindsay	148.89		1,260 00	9.52		194.77	1,470.00	331.26					16,269.45
Waterloo	Kitchener	1,145.17	1,262 00	2,300 00	169 58	625.28	83 24	10,742.30	696.78	1,004.67				65,553.17
Welland	Welland	293 60		1,000.00	20.90		163.12	2,389.00	112 48	367.63				16,761.81
Wellington	Fergus	208.55		1.500.00			123.04	1,661.70		1,899.51		92.76		16,604.10
Wentworth	Dundas	90 26	747 10	1,200.00			91 91	3,180.15	263.89	517.29				15,339.79
York	Newmarket	818 35	681.81	1,900.00	83 57		182.37	3,533.83		977.32				22,712.11
		$10,614.20	$7,759 72	$44,810.26	$1,365.17	$969.59	$2,515.45	$72,812.15	$4,032.92	$13,239.75	$1,128.00	$2,360.71	$3,957 67	$571,348 29

DISBURSEMENTS—CITY HOUSES OF REFUGE, HOMES FOR AGED PERSONS—JAN. 1st, 1939, TO DECEMBER 31st, 1939

Name	Location	Buildings and Repairs	Clothing, Shoes, Et.	Farm-Garden Sup plies, Equipment, Etc.	Farn, Feed, Stock, Etc.	Food and Provisions	Fuel and Heating	Funeral Expenses—Residents	House Furnishings, Bedding, Laundry, etc.	Insurance Prepaid cr Unexpired	Interest, Mortgages, Overdrafts, etc.	Light and Power	Physician's Salary
Home of the Aged	Belleville	$ 759.57	$ 136.82	$ 7.50	$	$ 913.10	$ 443.65	$	$ 165.73	$ 91.20	$	$ 75.72	$
Widows' Home	Brantford	557.02				562.01	364.25		195.58			143.85	
Home for the Friendless	Chatham	466.00	172.23	34.20	48.70	1,775.75	355.81	50.00	766.37	189.69		187.01	300.00
St. Paul's Home for Aged	Cornwall	358.60	197.43			5,622.58	598.18	62.00	1,012.75	132.78		50.00	
House of Providence	Dundas	2,617.13	891.98			15,720.51	2,746.50	100.00	1,613.16	430.00		1,430.50	382.38
The Elliott Home	Guelph	269.28		80.63		3,967.00	1,296.47		1,280.79	197.76		413.45	
House of Providence	Guelph	578.20	249.74		3,044.52	2,110.99	662.94		200.13	239.50		280.70	
Aged Women's Home	Hamilton	2,107.45		9.75		3,831.46	1,352.25	102.00	322.79	486.95	50	474.44	
Home for Aged and Infirm.	Hamilton	2,143.01	410.06	93.09		13,753.71	4,795.79		1,141.49	598.92	5,115.35	1,122.05	185.32
House of Providence	Kingston	3,231.42	1,966.19	410.66		21,186.71	4,762.46	1,083.00	3,830.89	606.10		975.17	
House of Refuge	Kingston	294.73	502.91	282.35	69.35	3,574.68	853.50		494.69	214.93		205.63	
House of Providence	London	2,811.71	836.61	692.80		18,143.18	3,069.48		3,201.00			413.00	46.50
McCormick Home for Aged.	London	1,262.28	120.43	51.75		5,746.71	1,916.53		305.65	750.30		594.31	300.00
Bronson Memorial	Ottawa	393.21	67.41	16.54		2,135.87	1,020.22		227.26	249.62		129.94	
May Court Convalescent Home	Ottawa	766.50				1,689.32	517.20		452.91	161.57		94.67	
Our Lady of Charity Refuge	Ottawa	51,430.38	4,152.08	71.65		7,776.21	3,856.19	288.51	4,785.82	374.87	2.00	941.17	636.00
Protestant Home for the Aged	Ottawa	171.04		46.40		1,790.58	714.10	84.00	795.92			231.21	
St. Charles' Home	Ottawa	2,497.35	1,234.01			31,288.77	4,425.69	18.25	3,148.39	833.44	10,395.98	2,006.15	300.00
St. Patrick's Home	Ottawa	888.17	225.16	1,003.66		5,335.96	1,082.55		565.82	261.36		857.30	
Anson House	Peterborough	130.61	40.18		224.84	2,981.29	1,064.66		165.98	140.18		298.64	
House of Providence	Peterborough	729.93	217.66	15.75		5,718.07	1,705.33	73.00	1,180.55	134.40		228.91	230.45
Thomas Williams Home	St. Thomas	252.12	126.36	11.63		1,659.40	531.26	119.00	356.16	121.05		224.81	300.00
Aged Men's Home	Toronto	1,283.51	2.30			6,464.55	909.66		1,585.20	3.50		566.88	
Aged Women's Home	Toronto	3,223.64	9.68			11,866.46	1,293.51		3,792.24	6.00		1,376.78	
Church Home for the Aged	Toronto	1,501.48	80.98			5,199.20	1,201.40		362.74	217.16	660.00	666.79	349.85
Good Shepherd Refuge	Toronto	2,707.12	4,621.11		300.00	14,922.25	3,691.20	150.00	3,122.77	175.00		1,176.11	
The Haven	Toronto	2,014.05	511.33			2,688.70	1,068.40		1,279.12	101.46		300.16	200.00
House of Industry	Toronto	1,468.20				7,292.43	1,050.53		1,233.73	559.68		585.46	410.66
House of Providence	Toronto	3,652.51	4,978.71			49,276.14	10,502.73		7,883.63	448.75		573.74	
I.O.O.F. Home	Toronto	200.00	1,612.71	143.23		5,585.24	1,415.21	139.57	976.38	418.80		425.69	624.00
Industrial Refuge	Toronto	436.40	532.23			4,043.78	2,296.87		577.23	53.48		1,493.88	325.00
Jewish Old Folks' Home	Toronto	1,519.62	226.54			12,912.27	1,726.28	308.35	3,419.39	57.00	1,119.75	649.79	120.00
Julia Greenshields Home	Toronto	1,049.14				3,338.28	878.79		687.86			282.65	
St. Mary's Rest Home	Toronto	312.10				3,668.50	1,085.02		437.64	136.91	338.13	153.26	
Salvation Army Aged Men's Home	Toronto		167.75			1,020.53	835.89		1,312.14	23.75		144.88	
Salvation Army Rescue Home	Toronto		30.33			1,585.37	505.81		403.00	3.17		80.00	
Salvation Army Receiving Home	Toronto		24.62			1,561.24	359.51		169.89	4.75		75.00	
Good Shepherd Refuge	Windsor	1,341.85	1,072.36			3,455.67	855.99		926.82	374.68	1,401.70	632.13	
The Homestead	Windsor	291.07	3.50			2,166.52	573.98		124.07			142.03	
		$95,747.70	$25,421.47	$2,881.59	$3,678.41	$297,463.99	$68,390.70	$2,577.68	$54,532.68	$8,788.71	$19,336.41	$20,813.76	$1,709.56
Algoma District Refuge	Sault S. Marie	2,023.05	482.26	1,879.60		5,290.52	1,604.57	390.00	1,250.19	174.89	221.59	706.20	
Nipissing District Refuge	North Bay	512.61	337.60	239.10		2,879.33	1,206.98	132.00	570.23	268.50	7.49	514.44	348.00
Parry Sound District Refuge	Powassan	383.05	181.87	496.56	105.45	2,795.39	213.12	155.00	966.90	8.00	122.79	313.45	300.00
		$2,918.71	$1,001.73	$2,615.26	$105.45	$ 10,965.24	$ 3,024.67	$ 677.00	$ 2,787.32	$ 451.39	$ 351.87	$ 1,534.09	$ 648.00

DISBURSEMENTS—CITY HOUSES OF REFUGE, HOMES FOR AGED PERSONS—JAN. 1st, 1939, TO DECEMBER 31st, 1939

Name	Location	Dentist, Drugsl Spirits, Surgica, or Medical Supplies	Pension Refunds	Salaries—Superintendent and (or) Matron	Stationery, Office Supplies, Et.c	Taxes	Telephone, Telegraph, Freight, etc.	Wages—All Employees, Board of Management	Water and Ice	All Others	Depreciation—Plant, Building Equipment, Uncollectible Accounts	Cash on Hand	Profit	Total
Home of the Aged	Belleville	$ 45.63	$ 261.00	$ 600.00	$	$ 56.52	$ 45.00	$ 180.00	$ 44.53	$ 26.70	$	$ 22.56	$	$ 3,910.23
Widows' Home	Brantford	49.56	309.00	600.00	23.25	36.80	44.40	611.17		24.22				3,521.01
Home for the Friendless	Chatham	69.61	146.00	1,249.67	38.30			657.17		108.48				6,614.99
St. Paul's Home for Aged	Cornwall	259.55		800.00	47.89	36.15	53.35	3,180.92		111.11	9,858.81			22,392.10
House of Providence	Dundas	326.97		1,500.00	127.92		165.17	6,130.74	404.51					34,607.47
The Elliott Home	Guelph	14 82		900.00	53.13		72.66	2,797.75	35.10	89.28	1,717.15			13,185.27
House of Providence	Guelph	99.10	394.49	1,200.00	14.75	130.99		4,191.60	18.85	924.57	810.19			15,151.16
Aged Women's Home	Hamilton	35.62		900.00	49.44		85.12	3,974.70	224.55	142 62	2,122.00			16,221.64
Home for Aged and Infirm	Hamilton	165 34	1,181.74	1,500.00	42.09		108.61	18,269.92	1,149.39	183.62				51,959.53
House of Providence	Kingston	1,651.75	654.25	1,500.00	1,741.52	428.21	258.34	13,215.62	219.38	1,982.56				59,704.21
House of Refuge	Kingston	132.11		1,100.00	15.56	34.27	49.30	1,159.50	81.97	125.25	457.79			9,639.55
House of Providence	London	373.07		1,500.00	88.80	143.75	104.09	14,939.69	475.58	44.60				46,793.89
McCormick Home for Aged	London	164 00		1,500.00	80.51	114 26	98.91	10,519.16	377.87	71.48	5,210.50			29,184 65
Bronson Memorial	Ottawa	103.98		1,140.00	193.96	181.27	81.00	1,145.00		193.24	1,093.00			8,371.52
May Court Convalescent Home	Ottawa	63.39		1,200.00		150 00	118.98	1,636.89	52.59	51.80				6,955.82
Our Lady of Charity Refuge	Ottawa	1,151.39			217.58	76.54	142.74	8,028.72	908.01	432.92	581.17			85,853 95
Protestant Home for the Aged	Ottawa	31.26	304.93	1,500.00	80.11	208.00	85.80	1,036.66	50 76	127.09				7,257.86
St. Charles' Home	Ottawa	304.14		2,000.00	216.61		238.72	24,504.63	1,736.98	819.24	14,697.00			100,665 26
St. Patrick's Home	Ottawa	62.82	750.75	1,200.00	148.44	496.43	43.40	2,385.52		228.13			192.39	15,727.86
Anson House	Peterborough	107.88		840.00	48.41		62.20	2,868.85	194.49	692.74	930.00			10,993 95
House of Providence	Peterborough	214.48	816.23	1,200.00	78.56		153.58	6,592.25	161.59	743.95	6,652.80			26,847.49
Thomas Williams Home	St. Thomas	108.30		1,143.70	24.77	44.68	54.72	927.24	149.29	2,133.30		498.12		8,785.91
Aged Men's Home	Toronto	177.29		1,080.00	82.15		134.21	8,112.46	225.09	36.67				20,663 47
Aged Women's Home	Toronto	207.77		1,200.00	144.21		146.14	14,727.60	471.56	58.01				38,526.60
Church Home for the Aged	Toronto	36.55		600.00	82.18		112.97	6,041.66	183.28	1,612.16				18,908.40
Good Shepherd Refuge	Toronto	2,956 14			225.00		75 75	1,200.00	990.00	2,781 33	9,000.00			48,096 78
The Haven	Toronto	53 72		1,500.00	115.41		304.89	7,246.71	162.98	842.15			354.97	18,741.05
House of Industry	Toronto	106.14		2,500.00	100.27		55.94	4,096.56	374.59	523.52				20,357.11
House of Providence	Toronto	1,849.31		2,000.00	1,208.21		272.11	32,145 05	1,577.20		13,093.75			129,461.84
I.O.O.F. Home	Toronto	372 93		1,760.00	87.27			7,067.55	169.99	6,988.53	7,209.43			35,196.53
Industrial Refuge	Toronto	146 76		1,080 00	144.02		234 03	8,911.65	660.53	3,690.74	85.00		3,077.14	27,788.74
Jewish Old Folks' Home	Toronto	1,307 38	450.00	2,610.00	1,098.52		155.40	13,746.71	442.41	905.33				43,104.74
Julia Greenshields Home	Toronto	39.30		1,080.00	102.30	216.52	96.49	3,972.21	83.66	1,709.03	449.85			13,986.08
St. Mary's Rest Home	Toronto	45.06			20.61		123.34	3,270.20	90 94	247.75				9,929.76
Salvation Army Aged Men's Home	Toronto	59.17		700.00	12.14	900.00	110.19	2,033.03	73.26	1,144.88	104.85			11,642 46
Salvation Army Rescue Home	Toronto	29.85		400.00	7.80	1,410.00	104.12	1,912.00	38.18	410.39	9.79			6,930 11
Salvation Army Receiving Home	Toronto	7 69		400.00	61.21	1,500.00	110.15	1,793 05	30 57	247.32	12.00			6,357 00
Good Shepherd Refuge	Windsor	107 73				143.87		3,310.38	174.26	1,141.84	6,214.00			21,156.28
The Homesetad	Windsor	73.80		420.00			72 27	581.68	97.83			1,359.44		5,905.19
		$13,111 34	$5,268 39	$42,403.37	$6,822 80	6,308 26	4,174.12	249,122.20	12,135.07	31,599.55	80,309.08	1,879.12	3,624.50	1,061,100.46
Algoma District Refuge	Sault S. Marie	1,405.75		1,440.00	51 96	185.01	51.48	6,183.38		453.02	1,022.99		3,115.98	27,935.44
Nipissing District Refuge	North Bay	211.52	158 00	1,303.00	88.66	20.38	69.86	1,284.12	229 14	91.30	1,893.82			12,366.08
Parry Sound District Refuge	Powassan	363 96		1,200.00	94.28		42.49	1,257.18				1,264.53		10,264 02
		$ 1,981.23	$ 158.00	$ 3,943.00	$ 237.90	$ 205.39	$ 163.83	$ 8,724.68	$ 229.14	$ 544.32	$ 2,916.81	$1,264.53	$3,115.98	$50,565.54

Report of

THE SOLDIERS' AID COMMISSION OF ONTARIO

April 1st, 1939, to March 31st, 1940

Commission Membership

No changes occurred in the membership of the Commission during the fiscal year, April 1st, 1939, to March 31st, 1940, now under review.

Commission Meetings

The several meetings of the Commission have been well attended and all members have shown a keen interest.

Commission Staff

No staff changes have occurred during the period. Prompt and efficient service has been rendered by all members.

Audit

Following the end of the fiscal year, an audit of the books and accounts was performed by a representative of the Provincial Auditor's Department. All books and accounts were reported to be in order and to corrrectly reflect the operations and transactions of the Commission throughout the year. Financial statements will be found appended hereto.

Wards

Services to wards in general is covered by a special statistical report appended hereto. It will be noted that during the year the number of wards requiring attention from the Commission has been decreased from 49 to 36. This reduction was due to the marriage of 3, the coming of age of 9 and the death of 1.

Wards welfare investigations and placements also showed a further decrease this year to 126 compared to 165 for previous year. Again this is due to decreasing number of wards and permanent establishment.

Assistance and Advice to Veterans

1. Emergency grants for the year number 1,595 as compared with 1,975 for previous year.
2. General information and advice services rendered to ex-service men and dependents totalled 2,177 compared with 1,624 for previous year.
3. Office interviews for this period were 5,546 as compared with 6,184 for previous year.
4. Special information and advice re pension claims, War Veterans' Allowance procedure, etc. number 384 as compared to 314.

Kathleen Hammond Estate

The assistance from this fund to widows of veterans, widowed by the war served 157 cases of emergency or special need during the past year as compared with 119 in the previous year. The corpus of this fund was subject to further increases during the year.

The more precise definition of the scope of application of this fund as accepted late in the previous year was responsible for increased services during the year under review.

Croft Estate

The Commission were able to secure relief from General Taxation on the one remaining lot of this Estate with the result that income now exceeds carrying charges. Interest in Real Estate in this area is steadily improving.

Garden Land Settlement

In the settlement the muck soil continues to prove highly productive. Difficulties are still being experienced due to Highway Improvement affecting road ditches, this tending to aggravate drainage difficulties.

Negotiations with the Highway Department were continued in an effort to find a solution of the drainage problem.

Throughout most of the area under crop the quality of vegetables was excellent, but in some areas excessive moisture adversely affected the crops.

The health of the settlers and their families has been generally good, while the drilled well continues to provide a plentiful supply of first class water.

Some vacancies have again occurred in the group of settlers, through retirement from settlement to take up other work, or because of physical inabilities to carry on.

Vacancies thus created have been filled, with the exception of one which was most seriously affected by the drainage difficulty. It is felt that the Settlement is serving a very useful purpose in recreating ambition and interest in the minds of some who have been depressed by unemployment conditions. The Commission has continued its policy of insistence on harmonious and co-operative relations between the settlers, and is of the opinion that such has been reasonably maintained.

Supervision was maintained throughout the planting, growing and harvesting season by a staff member, who spent two days or more each week with the settlers. This served a most useful and helpful service and was very much appreciated by those concerned.

With the increased clearing and larger market at Camp Borden, the prospects of this settlement would be much brighter if the drainage problem could be definitely solved.

General

In reporting on the year under review, we must again gratefully acknowledge the co-operation of the Honourable the Minister, Department of Welfare, for the interest he has shown in the general activities of the Commission and for his helpful co-operation.
The Commission also desires again to gratefully acknowledge the co-operation of Veterans Organizatons; The Canadian Red Cross Society; I.O.D.E.; The Last Post Fund and all other Organizations and individuals who have in numerous ways been helpful during the year.

Respectfully submitted,

E. A. BAKER, Chairman.

SOLDIERS' AID COMMISSION OF ONTARIO

Statement of Receipts and Expenditures

No. 1 Account (Operating)

April 1st, 1939 to March 31st, 1940

RECEIPTS

1940—March 31st, Provincial Treasurer			$ 22,820.00

EXPENDITURES

Office Salaries	$ 10,820.00		
Postage	160.00		
Car Tickets	70.00		
Stationery	361.82		
Telegraph and Telephone	40.62		
Travelling Expenses	2,078.12		
Miscellaneous	53.93		
		$ 13,584.49	
WARDS EXPENSES:			
Clothing	53.63		
Maintenance	227.90		
Miscellaneous	181.00		
		462.53	
TRANSFER OF FUNDS to			
No. 2 Account	6,489.76		
Land Settlement Account	2,283.22		
		$ 8,772.98	
			$ 22,820.00

RELIEF, ESTATES AND TRUST FUNDS

Accounts No. 2, No. 8 (Hammond Estate), Children's (Wards) Trust Account and Estates of Hales, Croft, McNab and Scott

April 1st, 1939 to March 31st, 1940

STATEMENT OF RECEIPTS

1939, April 1st—Balance brought forward from 1938-39 Statement			
Investments		$129,176.84	
Cash in Bank		9,076.53	
			$138,253.37
1939-1940—LESS—Bonds matured		$ 4,000.00	
Sale of Bonds		4,545.00	
Reduction of Mortgage		200.00	
			8,745.00
			$129,508.37
RECEIPTS			
No. 2 Account (Emergency Assistance)			
Canteen Fund	$ 28.00		
Other Sources	243.00		
Transfer from No. 1 Account	6,489.76		
		6,760.76	
HALES ESTATE	15.00		
CROFT ESTATE	560.00		
McNAB ESTATE	11.18		
SCOTT ESTATE	201.12		
		787.30	
NO. 8 ACCOUNT (Hammond Estate)			
Bank Interest	$ 62.70		
National Trust	66,850.25		
Bond Coupons (Interest)	9,398.93		
Bonds Matured	4,000.00		
		80,311.88	
WARDS TRUST ACCOUNT			
Bond Coupons, Interest	$ 632.50		
Dept. of Pensions and N.H. and incidentals	270.00		
Receipt on Sale of Bonds	4,608.02		
Appreciation on Bonds	7,237.00		
		$ 12,747.52	
			$100,607.46
			$230,115.83

Relief, Estates and Trust Funds (Continued)

STATEMENT OF EXPENDITURES

April 1st, 1939 to March 31st, 1940

NO. 2 ACCOUNT—(Emergency Assistance)			
Gratuities	$ 6,765.23		
Canteen Fund	28.00		
Other Sources	211.50		
		$ 7,004.73	
HALES ESTATE			
CROFT ESTATE (Paid Taxes)		670.20	
McNAB ESTATE (Grants)		449.99	
SCOTT ESTATE (Grants)		155.00	
HAMMOND ESTATE (Grants	$ 3,372.80		
" (Legal Fees)	502.00		
		3,874.80	
WARDS (Childrens) Trust Account		5,376.07	
			$ 17,530.79

ASSETS

CROFT ESTATE		
Assessed Value of Real Estate	$ 15,000.00	
Fryer's Mortgage	1,850.00	
INVESTMENTS		
Hammond Estate	182,184.63	
Wards (Children's) Trust Account	11,000.00	
Balances at Bank	2,550.41	
		$212,585.04
		$230,115.83

SOLDIERS AID COMMISSION OF ONTARIO

LAND SETTLEMENT ACCOUNT

BARRIE PROPERTY

STATEMENTS OF RECEIPTS AND EXPENDITURES

APRIL 1st, 1939 to MARCH 31st, 1940

RECEIPTS

1939, April 1st—Balance at Bank		$ 13.01
ASSETS—Land	$ 6,540.95	
Buildings	7,069.00	
Equipment	637.22	
Well	1,073.50	
		$ 15,320.67
		$ 15,333.68
1939-1940—Sale of Lumber	77.86	
Transfer of Funds from No. 1 Account	2,864.31	
		2,942.17
		$ 18,275.85

EXPENDITURES

1939-1940—Miscellaneous	$ 1,378.54	
Assets as above	15,320.67	
		$ 16,699.21
Balance at Bank		1,576.64
		$ 18,275.85

ASSETS—As at March 31st, 1940		
Land	$ 6,540.95	
Buildings	7,069.00	
Equipment	637.22	
Well and Shelter	1,130.50	
		$ 15,377.67
Balance at Bank		1,576.64
		$ 16,954.31

SOLDIERS' AID COMMISSION — SERVICE

STATISTICAL REPORT

April 1st, 1939, to March 31st, 1940

Month	A Child Welfare	B No. 2 Acct.	C Hales, Scott, McNab Estates	D No. 8 Acct.	E Canteen Fund	F Employment Pension & Service	G Misc.	Total
1939								
April	4	68	6	14	65	18	213	388
May	24	184	5	9	46	28	188	484
June	12	143	4	6	58	31	216	470
July	15	94	4	4	52	26	186	381
August	16	98	4	9	43	14	163	347
September	7	120	15	19	81	20	166	428
October	9	105	8	9	40	63	166	400
November	7	113	8	10	46	34	176	394
December	18	100	9	17	46	31	165	386
1940								
January	6	122	6	13	53	41	197	438
February	6	97	1	23	70	44	179	420
March	2	122	2	24	59	34	162	405
	126	1,366	72	157	659	384	2,177	4,941

NOTE:—

A. Investigations and Service on account of Wards of the Commission.

B. Emergency Assistance granted.

C. Emergency Assistance from Trust Funds.

D. Kathleen Hammond Bequest Trust Fund, emergency assistance to pensioned widows of veterans.

E. Administration of Special Grants from Canteen Fund and cases submitted to that fund for consideration.

F. Information, Advice and Assistance in respect to Claims for Treatment and Pensions, also Employment by veterans.

G. General Advice given on matters relating to Public and Private Welfare facilities for veterans or their dependents.

Number of Office Interviews	5,546
Number of Letters Received	4,808
Number of Letters Mailed	5,186

PLACEMENT OF WARDS

Number of Wards placed in positions	6
Number of Wards attaining the age of 21 years	9
Number of Wards placed in Boarding Homes	2
Number of Wards Married	3
Number of Wards taken to Hospitals and Clinics	2
Number of Wards Deceased	1

Total number of Wards under Commission's care on April 1st, 1939	49
Net Total, March 31st, 1940	36

FINANCIAL ASSISTANCE GRANTED

April 1st, 1939, to March 31st, 1940

Month	No. 2 Account	Hales, Scott, McNab Estates	No. 8 Account	Canteen Fund and Other Sources	Total
1939					
April	$ 343.51	$ 60.00	$ 313.75	$ 72.85	$ 790.11
May	797.68	55.00	201.30		1,053.98
June	943.66	31.90	120.00	12.50	1,108.06
July	525.68	40.00	105.00		670.68
August	678.94	36.00	260.00		974.94
September	428.65	195.00	363.00		986.65
October	451.68	41.50	178.00	8.00	679.18
November	443.19	43.00	185.65	13.00	684.84
December	530.75	55.79	409.15	2.15	997.84
1940					
January	565.90	53.40	320.00	45.50	984.80
February	426.96	8.40	516.00	21.00	972.36
March	815.58	10.00	400.95	27.50	1,254.03
	$6,952.18	$ 629.99	$3.372.80	$ 202.50	$11,157.47

ANALYSIS OF ASSISTANCE RENDERED FROM Nos. 2 ACCOUNT; KATHLEEN HAMMOND: HALES: SCOTT and McNAB ESTATES, also from OUTSIDE SOURCES, APRIL 1st, 1939, to MARCH 31st, 1940

Hospital, Medical and Surgical Supplies	51
Fuel (Emergency)	38
Men's, Women's and Children's Clothing	233
Special Diet and Emergency Grocery Orders	130
Bedding and Household Supplies	11
Transportation	52
Truck, Car and Chauffeur Licenses, etc.	10
Glasses	489
Dentures	214
Layettes	4
School Supplies	12
Special Grants (Material, Supplies and Stock-in-Trade)	538

FOURTEENTH REPORT

OF THE

LIQUOR CONTROL BOARD

OF

ONTARIO

From April 1st, 1939 to March 31st, 1940

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO
SESSIONAL PAPER No. 20, 1941

ONTARIO

TORONTO
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1941

TORONTO, MARCH 6th, 1941.

TO THE HONOURABLE ALBERT MATTHEWS,

Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

The undersigned has the honour to transmit to Your Honour the Fourteenth Report of the Liquor Control Board of Ontario for the year ended 31st March, 1940.

Respectfully submitted,

M. F. HEPBURN,

Prime Minister and President of the Council.

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Liquor Control Board
of Ontario

454 University Avenue,
Toronto 2, Ontario,
February, 14th, 1941.

To The Honourable Mitchell F. Hepburn,
Prime Minister and Provincial Treasurer of Ontario,
Parliament Buildings, Toronto 5, Ontario.

Sir:—

I have the honour to submit herewith the Fourteenth Report of the Liquor Control Board of Ontario for the twelve months' fiscal period which ended the 31st of March, 1940.

Financial Statement

The Balance Sheet, certified to by Messrs. Robertson, Robinson, McCannell & Dick, Chartered Accountants, shows the amount of fixed assets to be $121,271.10. This amount represents the value of the Board's real estate, consisting of the land and buildings situated at 154 Wellington St. W., Toronto, and 201 Victoria Ave., Fort William, occupied as Warehouses, and the value of all furniture, equipment and alterations in the various premises occupied by the Board, less depreciation, which, since the commencement of operations in June, 1927, has been provided to an extent of $1,001,446.32.

Other assets totalled $3,223,645.25 being comprised of the following items:—

Cash on hand and in transit from branch banks	$ 248,635.10
Accounts Receivable—hospital charge sales, beer levies, duty recoverable items, freight claims, fines, etc.	257,495.53
Inventories of liquors and supplies	2,701,772.96
Prepaid items	15,741.66

Liabilities amounted to $2,212,217.96 as follows:—

Accounts Payable—for liquors and supplies, accrued charges, etc.	2,188,751.56
Due Provincial Treasurer—for permit sales and confiscated stock	23,466.40

Two factors contributed to the substantial increase in stock inventory value from $2,181,229.31 at the previous year end to $2,701,772.96 at March 31st, 1940. These were:

(a) Increased Dominion duties on spirits of $3.00 per proof gallon which applied as from September 3rd, 1939.

(b) The carrying of greater stocks of imported goods as a precautionary measure against the possibility of prices being raised and deliveries being prevented through enemy action.

Sales of permits during the twelve months amounted to a net figure of $487,736.38 which with the amount unpaid from the previous year of $2,133.30 totalled $489,869.68 of which $475,000.00 was remitted to the Provincial Treasurer, in accordance with the requirements of the Liquor Control Act of Ontario., Section 18 (2).

The item of $8,596.72 represents a balance due to the Provincial Treasurer for forfeited liquor, which was purchased by the Board after careful examination, and in accordance with the provisions of Section 132 (2) of the Act.

Contingent liabilities amounted to $2,410,108.00. These items comprise the value of undelivered orders and, also, the amount of customs or excise duties which will have to be paid on the goods which were in bond on our premises March 31st, when the same are cleared. These items are not chargeable against, nor do they effect the operations of the Board for the period under review.

The Profit and Loss Account shows sales for the twelve months from Liquor Control Board Stores of $22,820,689.73.

The same account shows a gross trading profit of $8,642,906.51 with total expenses including depreciation and items written off, of $1,862,047.59 which resulted in a net trading profit of $6,780,858.92. This latter sum together with other revenue which amounted to $3,783,317.97 resulted in a total profit of $10,564,176.89, which is carried to the Surplus Account.

For the purpose of comparison, the percentage that the cost of stock sold, miscellaneous earnings and expenses and other revenue bear to the sales are given for the fiscal year of 1939 and the twelve months' period herewith reported upon.

The Surplus Account shows a balance at the commencement of the period of $47,198.57, this being the amount of accumulated profits from previous years' operations which had not been transferred to the Provincial Treasurer. Added to this is the twelve months' profit of $10,564,176.89, which, together with $3,677.07 representing sundry adjustments, resulted in an amount of $10,607,698.39. From this sum, $9,475,000.00 was remitted to the Provincial Treasurer. The total payments to the Provincial Treasurer during the twelve months were, therefore:—

On Account of Profits	$9,475,000.00
On Account of Permits	475,000.00
	$9,950,000.00

Besides the Balance Sheet, Profit and Loss Account, and the Surplus Account a statement showing the Expenses of Administration and Operation (Schedule D) for the twelve months is also attached. Individual percentages which these expenses bear to the total sales are given for the twelve months and also for the preceding fiscal period. On March 31st, 1940, the staff comprised 887 employees, 62 of these being part time or seasonally employed as against 829 permanent and 44 part-time employees at the previous year-end.

In addition, all Liquor Board Stores, Brewers' Warehouses, Breweries and Wineries privileged to sell alcoholic beverages in Ontario, as of March 31st, 1940, are set forth on Schedule II; a classification of permits and licenses issued appears on Schedule III, and a summary of Authorities, Standard Hotel Licenses and Light Beer Permits issued, cancelled, suspended, surrendered and reinstated during the year with the number operative on March 31st, is set forth on Schedule IV.

Sales

The sale of spirits, beer and wine from liquor stores during the twelve months amounted to $22,820,689.75. The net value of beer sold from breweries and brewers' warehouses, i.e., exclusive of any charge for containers, totalled $28,435,819.50. Sales of natives wines made direct to customers from licensed native wine sales offices, and, where permitted, from the winery premises, amounted to $2,278,767.81.

Following the imposition of higher duties by the Dominion Government in September, 1939, prices were increased. Immediately thereafter, a decrease in the gallonage sales of spirits became apparent.

The following comparative sales statistics are given for the fiscal year under review and also for the preceding twelve months:—

Value

	Twelve Months ending March 31, 1939	Twelve Months ending March 31, 1940	Increase or Decrease	Percentage	
Domestic Spirits	$13,672,891.65	$14,257,132.64	$584,240.99	Inc.	4.2
Imported Spirits	5,687,072.14	5,333,752.77	353,319.37	Dec.	6.2
Domestic Wines	1,496,981.30	1,672,474.20	175,492.90	Inc.	11.7
Imported Wines	555,287.95	553,169.67	2,118.28	Dec.	.3
Domestic Beers	928,262.25	927,425.85	836.40	Dec.	.9
Imported Beers	79,565.30	76,734.60	2,830.70	Dec.	3.5
Total Sales from Liquor Stores	$22,420,060.59	$22,820,689.73	$400,629.14	Inc.	1.7
B. & B. W. Sales (Domestic Beer Exclusive of Container Value)	25,192,225.40	28,435,819.50	3,243,594.10	Inc.	12.8
Wineries' Sales (Domestic Wines)	2,025,700.27	2,278,767.81	253,067.54	Inc.	12.4
Total	$49,637,986.26	$53,535,277.04	$3,897,290.78	Inc.	7.8

Gallonage

	Twelve Months ending March 31, 1939	Twelve Months ending March 31, 1940	Increase or Decrease	Percentage	
Domestic Spirits	1,230,708	1,115,419	115,289	Dec.	9.3
Imported Spirits	328,311	274,158	54,153	Dec.	16.4
Domestic Wines	723,169	765,595	42,426	Inc.	5.8
Imported Wines	59,364	58,554	810	Dec.	1.3
Domestic Beers	573,551	572,474	1,077	Dec.	.2
Imported Beers	21,733	21,283	450	Dec.	2.0
Total Sales from Liquor Stores	2,936,836	2,807,483	129,353	Dec.	4.3
B. & B. W. Sales (Domestic Beer)	24,141,817	26,756,549	2,614,732	Inc.	10.8
Wineries' Sales (Domestic Wines)	934,361	998,100	63,739	Inc.	6.8
Total	28,013,014	30,562,132	2,549,118	Inc.	9.1

STORES

The number of liquor stores in operation on March 31st, was one hundred and twenty-nine. One new store was opened during the period—Store No. 130, at Bracebridge, on June 29th, 1939.

One store was moved to a new location, i.e.—

No. 40, Kingston—from Market Square to Princess Street on July 26th, 1939.

BREWERIES AND BREWERS' WAREHOUSES

On March 31st, 1940, there were twenty-two Ontario and four Quebec breweries licensed to sell their products in Ontario.

Two Ontario Breweries were closed during the year—Ace High Brewery, Guelph, on April 27th, 1939, and Hofer Brewing Co. Limited, LaSalle, on September 30th, 1939.

The number of Province of Quebec breweries operating through Ontario Brewers' Warehouses remained unchanged from the previous year.

The gallonage of domestic strong beer sold in Ontario during the years 1936 to 1940 inclusive, as computed from the sales records of the Board and with respect to sales to destinations outside Ontario from the monthly reports of the Ontario brewers, was as follows:—

	1936 (12 months) Gallons	1937 (12 months) Gallons	1938 (12 months) Gallons	1939 (12 months) Gallons	1940 (12 months) Gallons
Sales from Liquor Stores' stock	730,535	668,137	686,716	562,527	558,962
Beer orders taken at Liquor Stores for delivery by breweries and brewers' warehouses..................	21,035	21,408	16,025	11,024	13,512
Sales from breweries and brewers' warehouses...........	20,874,503	22,606,732	25,096,435	24,141,817	26,756,549
Total Ontario Sale of Domestic Beer.....................	21,626,073	23,296,277	25,799,176	24,715,368	27,329,023
Sales to other Provinces......	1,360,366	1,650,344	1,905,459	1,882,189	1,914,210
Export Sales................	3,396	3,410	3,619	12,996	58,033
Total................	1,363,762	1,653,754	1,909,078	1,895,185	1,972,243

The number of Brewers' Warehouses in operation at the year end totalled one hundred and nine, two warehouses being opened during the period—at the following locations:—

111W—Bracebridge—on July 31st, 1939.
110W—Georgetown—on August 17th, 1939.

From June 1st to September 16th, a warehouse was operated at Jackson's Point.

There was one Brewers' Warehouse closed during the year—

102W—3333 Danforth Avenue, Scarboro, on September 29, 1939.

During the twelve months under review, three warehouses were moved to new locations, as follows:—

2W—Toronto—from 74 King St. East to 14 Alexander St., as of May 27th, 1939.
10W—Toronto—from 1852 Danforth Ave., to 2149 Danforth Ave., as of September 29th, 1939.
87W—Kirkland Lake—from old site Prospect Ave., to new location on Prospect Ave., as of December 5th, 1939.

WINERIES

In co-operation with the Board, the Provincial Department of Health continued its analytical work with respect to the products of all Ontario wineries, for the purpose of ensuring conformity to satisfactory standards. This constant supervision through periodical analyses has resulted in continued improvement in quality in all types of native wine. During the year 311 samples were tested.

In September 1939, the Domininon Government, through an amendment to the Special War Revenue Act, raised the gallonage tax in native wine. As a result of this action, selling prices of native wine were advanced on September 14th, 1939.

No changes in ownership of Native Wine Licenses occurred during the year although the corporate name under which T. G. Bright & Company, Limited, had been licensed was changed on September 29th, 1939 to "Bright's Wines, Limited."

The following transfers of Sales Offices to other premises were authorized during the year:—

Licensee	From	To	Opening Date at New Location
T. G. Bright & Co., Ltd. Niagara Falls	564 Ouellette Ave., Windsor	591 Ouellette Ave., Windsor	August 8th, 1939
The Parkdale Wines Ltd. Toronto	164 York St., Hamilton	1251 Ottawa St., Windsor	December 1st, 1939
Danforth Wines Ltd. New Toronto	1854 Danforth Ave., Toronto	2091 Danforth Ave., Toronto	December 6th, 1939
Danforth Wines Ltd. New Toronto	1076 Lakeshore Rd. New Toronto	828 Lakeshore Rd., New Toronto	December 7th, 1939
Bright's Wines Ltd. Niagara Falls	223½ Yonge St., Toronto	209 Yonge St., Toronto	March 27th, 1940
Bright's Wines Ltd. Niagara Falls	78 Sparks St., Ottawa	186 Sparks St., Ottawa	March 27th, 1940
Welland Winery Welland	268 King Street, Welland	272 King Street, Welland	March 27th, 1940

The following statistics of gallonage of native wine sold have been compiled from the monthly reports submitted to the Board by the respective wineries:—

	1936 (12 months) Gallons	1937 (12 months) Gallons	1938 (12 months) Gallons	1939 (12 months) Gallons	1940 (12 months) Gallons
Sale at Wineries	557,645	737,673	861,846	934,361	998,100
Sales to the Board	637,521	675,551	690,635	712,783	764,326
Total Ontario Sales	1,195,166	1,413,224	1,552,481	1,647,144	1,762,426
Sales to other Provinces	1,159,010	1,014,810	1,111,769	1,045,997	1,455,432
Export Sales	2,483	4,520	3,581	1,935	2,136
	2,356,659	2,432,554	2,667,831	2,695,076	3,219,994

During the year, the tonnage of grapes used in the manufacture of wine, concentrates, grape juice, and brandy, was 13,679 tons for wine; 2,242 tons for concentrates; 559 tons for grape juice; and 2,370 tons for brandy.

One hundred and eighty-four tons of cherries were also used for wine making.

During the preceding year, 179,940 gallons of native wine were distilled into grape spirit for wine fortification, while during the year under review 176,564 gallons were used for such purposes.

The sale of Canadian Brandy—a product of the Ontario grape—continued in good volume, amounting to 13,859 gallons.

At the close of the year, there were twenty-three winery licenses operative, this number being unchanged from the end of the previous year; direct sales to customers being made from the premises of seven wineries and forty-two branch retail sales shops.

Home-Made Wine Permits

Regulations designed to check the bootlegging of home-made wine were promoted by the Board and became effective January 1st, 1940. These regulations require that any person manufacturing more than 100 gallons of home-made wine must obtain a permit from the Board. The issuance of these permits commenced on January 10th, 1940, and up to and including March 31st, the end of period under review, 733 home-made wine permits were issued. From the applications submitted, a computation shows that 1,386 tons of Ontario-grown fruit were used in production of the home-made wine covered by the above permits and that 167,178 gallons were made. It is confidently expected that the regulations in question will control the situation and eliminate a lot of abuses heretofore existing.

Authorities for the Sale of Beer and Wine.

Complete details by Municipalities of the number of Authorities which were issued, cancelled, suspended or surrendered during the year, together with reinstatements, are set forth on Schedule IV.

On March 31st, 1940—the end of the fiscal year—there were one thousand, one hundred and seventy-six Hotel Authorities in operation, two hundred and thirty-four Club Authorities, one hundred and ninety-one Military Mess Authorities and one Railway Authority.

Authorities were issued for six months to fifty-one Summer Hotels. Of these, two were extended to an annual basis after payment of the required additional fee.

Effective September 18th, 1939, the fee for Hotel, Railway and Club Authorities was increased from six to seven cents per gallon of beer purchased. No increase was made with respect to the levy on wine bought (5%) and the minimum fee of $300.00 per annum for full year Hotel and Railway Authorities, $150.00 for six months' Summer Hotel Authorities, $100.00 for Social Clubs and $50.00 for Soldier and Labour Clubs remained unchanged.

The annual fees for Steamship Authorities and Military Mess Authorities were continued at $50.00 and $10.00 respectively.

The Board's staff of inspectors visited and reported regularly upon all authorized premises. Full co-operation of Municipal and Provincial Police throughout the Province was obtained and resulted in improved conduct and management of numerous premises. It has been found that, generally, Authority Holders desire to conduct their businesses and properties in strict compliance with the Act and the Regulations but there are a few who are interested primarily in profits without regard to public reaction. These are, however, small in number and are, of course, subject to greater supervision at all times.

Payments to Municipalities

In accordance with the Act and the governing Order-in-Council, the Board paid to the various municipalities 20% of the fees received from their local hotel authority holders. Three hundred and twelve municipalities participated in this disbursement which totalled $223,639.75, same being paid May, 1940.

Hotels

On March 31st, 1940, one thousand three hundred and thirteen Standard Hotel Licenses were effective, of which one thousand one hundred and seventy-six possessed an Authority to sell beer and wine; thirty-eight were holders of Light Beer Permits and ninety-nine held only the Standard Hotel License. There was no change in fees.

As mentioned previously, the Board receives a detailed annual report from its twenty-three Inspectors covering all Hotels in the Province, and additional thereto, conduct reports at least once a month. Further progress has been made towards the improvement of hotel accommodation throughout the Province. Special attention has always been given to the question of fire prevention and the safety of guests. Close contact has been maintained with the officers of the Provincial Fire Marshal's Department and the Department of Health with a view of continuing the improvement of conditions in hotels and other authorized premises.

Permits

From April 1st, 1939 to March 31st, 1940, there were 45,016 individual Annual Liquor Permits issued. The sales of Single Purchase Permits totalled 2,732,493. Individual Permits sold to non-residents, valid for a period not exceeding one month, numbered 17. In addition 2,007 Special Permits were issued to Physicians, Druggists, Hospitals, etc.

During the year, the Board continued to give full co-operation to municipal officers and departments administering relief.

In many municipalities relief authorities keep hotels and other authorized vendors of liquor supplied direct with up-to-date lists of persons on relief, and, in keeping with the Board's policy, every endeavour is made to prevent such persons from buying intoxicants.

In accordance with the requirements of the Act, the Board, after thorough investigation, deemed it advisable during the year to issue 3,001 Prohibitory Orders. Such action followed either notification relative to conviction for violation of the Act, or the receipt of a request or recommendation from some interested party, such as a relative, friend, magistrate, police officer, physician, relief officer, etc. These Prohibitory Orders comprised 657 full Board Orders which precluded the individual concerned from purchasing alcoholic beverages from any source, of which 31 resulted from Judges' Orders of Interdiction and 42 from conviction for intoxication while in charge of a motor vehicle. In 71 other cases it was deemed advisable to afford the individual restricted purchasing privileges only.

The remaining 2,273 were Orders which cancelled the individual's privilege to purchase alcoholic beverages for home consumption.

With respect to the 2,273 cases referred to, 859 were the result of convictions having been registered under the Criminal Code of Canada for intoxication while in charge of an automobile. A further 799 followed the conviction of the individual for violation of the Liquor Control Act, and the premises of 578 of these were declared a "public place" within the meaning of the Act. The other Orders were issued as being in the best interests of all concerned according to the judgment of the Board from the available information at hand.

During the year, after full investigation and consideration, it was decided to revoke 350 of the Prohibitory Orders which had been made effective at some prior date.

1,634 Special Permits were issued to Druggists. These Permits allowed the druggist to purchase alcohol in limited quantities for compounding and pharmaceutical purposes and also accorded him the privilege of buying rubbing alcohol for re-sale. The premises of all holders of Druggists' Special Permits were subject to periodical inspection, and, in addition, Druggists were required to file monthly with the Board a report of all rubbing alcohol sales.

Efforts were continued to prevent the use of rubbing alcohol as a beverage and during the year the names of two hundred and forty-eight addicts were posted with all druggists in the larger communities of the Province.

For failure to comply with the Board's Regulations, it became necessary during the year to cancel or suspend eight Druggists' Special Permits.

GENERAL

In conclusion, the Board herewith records its appreciation for the earnest efforts of the Staff throughout the year.

I have the honour to be, Sir,
Your obedient servant,
A. ST. C. GORDON,
Chief Commissioner.

BALANCE SHEET

As at March 31st, 1940

ASSETS

Land, Buildings, Furniture, Equipment, Fixtures and Alterations to Rented Premises, less amounts written off		$ 121,271.10
Cash on hand, in transit, and in banks	$ 248,635.10	
Accounts Receivable	257,495.53	
Inventories of Liquor and Supplies in Warehouses and Stores	2,701,772.96	
		3,207,903.59
Prepaid Charges		15,741.66
		$3,344,916.35

LIABILITIES

Accounts Payable, Accrued Charges, Deferred Revenue, etc.		$ 2,188,751.56	
Due Provincial Treasurer, for			
Permit Sales—Balance from March 31st, 1939	$ 2,133.30		
Permit Sales—April 1st, 1939, to March 31st, 1940 (Net)	487,736.38		
	489,869.68		
Less: Paid to Provincial Treasurer	475,000.00	14,869.68	
Confiscated Liquor Stocks		8,596.72	
			$2,212,217.96
Surplus:			
Balance carried from Surplus Account		$10,607,698.39	
Less: Paid to Provincial Treasurer during the year ended March 31st, 1940		9,475,000.00	
Balance March 31st, 1940			$1,132,698.39
Contingent Liabilities:			
Liquors ordered but not delivered (including duty, freight, etc.)	$1,279,954.00		
Duty on Stocks in Bond	1,130,154.00		
			$3,344,916.35

AUDITORS' CERTIFICATE

We hereby certify that, in our opinion, the above Balance Sheet exhibits a true and correct view of the affairs of The Liquor Control Board as at March 31st 1940, and that the records and accounts of the same date conform thereto.

ROBERTSON, ROBINSON, McCANNELL & DICK,

Chartered Accountants.

Toronto, May 21, 1940.

PROFIT AND LOSS ACCOUNT

For the year ended March 31st, 1940

				Percentage to Sales	
				1939-1940	1938-1939
Sales by Vendors					
Store Counter and Mail Order Sales of Wines, Spirits and Beer	$22,800,401.88				
Beer Orders taken at Stores for delivery by Breweries and Brewers' Warehouses	20,287.85	$22,820,689.73		100.00%	100.00%
Stock on Hand March 31, 1939	2,157,340.18				
Purchases	14,699,559.78				
	16,856,899.96				
Less: Stock on Hand March 31, 1940	2,672,751.13				
Cost of Sales by Vendors		14,184,148.83		62.16%	63.52%
Gross Profit on Sales			$ 8,636,540.90	37.84%	36.48%
Miscellaneous Earnings			6,365.61	.03%	.03%
			8,642,906.51	37.87%	36.51%
Expenses:					
Administration and Operating Expenses, Head Office, Warehouses and Stores—Schedule I		1,845,132.35			
Items written off		678.49			
Depreciation on Buildings, Furniture, Equipment, Fixtures and Alterations to Rented Premises written off and reserved for	20,080.95				
Less: Included as Rental in Administration and Operating Expenses	3,844.20	16,236.75	1,862,047.59	8.15%	8.31%
			6,780,858.92	29.72%	28.20%
Other Revenue:					
Brewers' Warehouse License Fees		149,219.21			
Brewers' License Fees		90,000.00			
Malt Tax		1,846,713.00			
Gallonage Tax		429,883.12			
Authority Holders' Fees (Net after deducting Municipalities' Share)		1,028,081.89			
Light Beer Licenses, etc.		2,910.00			
Fines (Net)		33,190.57			
Native Wine Tax and Licenses		203,320.18	3,783,317.97	16.58%	14.51%
Net Income for Year carried to Surplus Account			$10,564,176.89	46.30%	42.71%

SURPLUS ACCOUNT

For the year ended March 31st, 1940

Balance as at March 31st, 1939	$ 47,198.57
Deduct Sundry Adjustments	3,677.07
	43,521.50
Add Net Income for the year ended March 31st, 1940	10,564,176.89
Balance carried to Balance Sheet	$10,607,698.39

SCHEDULE I.

ADMINISTRATION AND OPERATING EXPENSES
HEAD OFFICE, WAREHOUSES AND STORES

For the year ended March 31st, 1940

And Number of Employees on the Staff at March 31st, 1940

		Percentage to Total Sales	
		1939-1940	1938-1939
Salaries (Less Permit Allowance)	$1,136,735.09	4.98%	4.90%
Legal and Audit	16,117.91	.07%	.06%
Rents paid, less received	194,865.88	.85%	.87%
Travelling	50,191.73	.22%	.23%
Superannuation	47,366.61	.21%	.21%
Insurance	12,871.31	.06%	.05%
Postage	11,483.82	.05%	.05%
Stationery	41,016.47	.18%	.18%
Telephone and Telegraph	12,563.98	.06%	.06%
Protection Service	4,955.63	.02%	.02%
Breakage	2,007.78	.01%	.01%
Light, Heat and Power	32,037.31	.14%	.14%
Repairs and Maintenance	29,210.35	.13%	.14%
Sundries	16,493.74	.07%	.07%
Freight and Cartage	124,056.78	.54%	.60%
Terminal Warehouse Charges	37,506.18	.16%	.19%
Taxes—Business	26,868.64	.12%	.14%
Discounts to Hospitals, etc.	2,266.63	.01%	.01%
Truck Maintenance	18,360.40	.08%	.08%
Packing Materials	28,156.11	.12%	.12%
	$1,845,132.35	8.08%	8.13%

NUMBER OF EMPLOYEES ON THE STAFF

(Including sixty-two temporary employees whose services are either part-time or seasonal.)

Commissioner's Staff		3
Director of Hotels and Personnel		31
Comptroller's Staff		11
Legal Department		2
Accounting Department		63
Beer and Wine Department		29
Permit Department		21
Purchasing and Supply Department		7
Traffic Department		3
Customs Department		4
Stock Supervision Department		14
Brewery Inspection Department		28
Winery Inspection Department		3
Wine Permit Department		2
Store Inspection Department		11
Supervision of Stores and Properties		4
Head Office Maintenance Staff		5
Garage		8
Stores	570	
Warehouses	68	638
Total		887

SCHEDULE II

LIQUOR STORES, LICENSED BREWERS' WAREHOUSES, BREWERIES AND WINERIES IN ONTARIO AT 31st MARCH, 1940.

Liquor Stores

Store No.		
1	Church and Lombard Streets	Toronto
2	122 Wellington Street West	Toronto
3	1271 Dundas Street West	Toronto
4	170 Danforth Avenue	Toronto
5	1881 Queen Street East	Toronto
6	1271 Queen Street West	Toronto
7	2223 Dundas Street West	Toronto
8	928 St. Clair Avenue West	Toronto
9	959 Bloor Street West	Toronto
10	543 Yonge Street	Toronto
11	949 Gerrard Street East	Toronto
12	402 Parliament Street	Toronto
13	1448 Danforth Avenue	Toronto
14	454 Spadina Avenue	Toronto
15	292 Dupont Street	Toronto
16	106 Richmond Street West	Toronto
18	Midland Avenue and Kingston Road	Scarboro Bluffs
19	Rogers Road and Blackthorn Avenue	Toronto
20	802 Lake Shore Road	New Toronto
21	29 Charles Street	Hamilton
22	673 King Street East	Hamilton
23	1057 Barton Street East	Hamilton
24	216 King Street	Port Colborne
25	81 King Street West	Dundas
26	419 Talbot Street	London
27	629 Dundas Street	London
28	12 Canal Street	Dunnville
29	Berford Street	Wiarton
30	82 Durham Street	Walkerton
31	47 Hurontario Street	Collingwood
32	94 Wyandotte Street East	Windsor
33	241 Drouillard Road	Windsor
34	628 Chilver Road	Windsor
35	3236 Sandwich Street West	Windsor
36	272 Queen Street	Ottawa
37	685 Bank Street	Ottawa
38	188 Rideau Street	Ottawa
39	King Street East	Cobourg
40	42-46 Princess Street	Kingston
41	209 Victoria Avenue	Fort William
42	101 King Street West	Brockville
43	137 King Street East	Kitchener
44	69 Dalhousie Street	Brantford
45	408 George Street	Peterborough
46	224 Front Street North	Sarnia
47	23 Ontario Street	St. Catharines
48	937 Victoria Avenue	Niagara Falls
49	66 Pitt Street	Cornwall
50	Cedar and Elgin Streets	Sudbury
51	72 Carden Street	Guelph
52	24-26 Cross Street	Welland
53	66 Cumberland Street South	Port Arthur
54	88 Main Street East	North Bay
55	185 Alexander Street	Pembroke
56	Water Street	Prescott
57	37 Bridge Street East	Belleville
58	8½ Balsam Street North	Timmins
59	72 Collier Street	Barrie
60	88 Ontario Street	Stratford
61	210 King Street West	Chatham
62	314 Talbot Street	St Thomas
63	343 Queen Street East	Sault Ste. Marie
64	516 Dundas Street	Woodstock

Liquor Stores—Continued

Store No.		
65	Front Street	Trenton
66	6th Avenue North	Cochrane
67	Main and Ferguson Streets	Haileybury
68	214 Main Street South	Kenora
69	Church Street and Mowat Avenue	Fort Frances
70	22 Beckwith Street	Smith's Falls
71	King and Main Streets	Gananoque
72	34 Gore Street	Perth
73	610 King Street	Preston
74	61 Robinson Street	Simcoe
75	226 Devonshire Avenue	Iroquois Falls
76	Prospect Avenue and Silver Street	Cobalt
77	121 Main Street	Penetang
78	Wellington Street	New Liskeard
79	79 Walton Street	Port Hope
80	Parry Sound Road	Parry Sound
81	King and Queen Streets	Sturgeon Falls
82	79 Kent Street	Lindsay
83	31 Main Street West	Hawkesbury
84	Main Street	Picton
85	Daniel and Elgin Streets	Arnprior
86	Queen and White Streets	Dryden
87	Front Street	Sioux Lookout
88	River Street East	Paris
89	Main and Mattawa—Pembroke Highway	Mattawa
90	68 Simcoe Street North	Oshawa
91	Kirkland Street	Kirkland Lake
92	Third Street	Englehart
93	Gilmour Road	Fort Erie
94	Bridge Street North	Eganville
95	21 Water Street North	Galt
96	112 Main Street	Deseronto
97	Dundas Street	Napanee
98	22 Main Street	Alexandria
99	Emard Street	Embrun
100	25 Albert Street	Thorold
101	48 Main Street	Grimsby
102	Muskoka Street	Gravenhurst
103	Tudhope Street	Espanola
104	Main Street East	Thessalon
105	Concession Street	Tamworth
106	Main Street	Huntsville
107	Main Street	Palmerston
108	Woodward Avenue	Blind River
109	Murray and Bathurst Streets	Amherstburg
110	46 Wallace Street	Wallaceburg
111	Bedford Street	Westport
112	37 Government Road	Kapuskasing
113	Opongo Street	Barry's Bay
114	Corner Fourth Street and Broadway	Rainy River
115	43 King Street North	Waterloo
116	26 Arthur Street	Elmira
117	17 Birch Street	Chapleau
118	114 Young Street	Capreol
119	9 Main Street	Merrickville
120	West Dock	Pelee Island
121	1008 Wellington Street West	Ottawa
122	George Street	Hearst
123	Main Street	Lancaster
124	Corner Picton and King Streets	Niagara-on-the-Lake
125	99 Laurier Street	Rockland
126	Queen Street	Tilbury
127	Main Street	Morrisburg
128	Bruce Avenue	South Porcupine
129	Main Street	Geraldton
130	Manitoba Street	Bracebridge

Brewers' Warehouses

Warehouse No.		
1W	194 Queen Street East	Toronto
2W	14 Alexander St.	Toronto
3W	614 Queen Street West	Toronto
4W	398 College Street	Toronto
5W	955 Bloor Street West	Toronto
6W	1267 Queen Street West	Toronto
7W	2160 Dundas Street West	Toronto
8W	1083 St. Clair Avenue West	Toronto
9W	440 Danforth Avenue	Toronto
10W	2149 Danforth Avenue	Toronto
11W	145 John Street North	Hamilton
12W	1080 Barton Street East	Hamilton
13W	84 Carling Street	London
14W	594 Dundas Street	London
15W	413 Hamilton Road	London
16W	1573 McDougall Street	Windsor
17W	881 Erie Street East	Windsor
18W	2131 Wyandotte Street West	Windsor
19W	268 Queen Street	Ottawa
20W	Broad and Wellington Streets	Ottawa
21W	208 Wellington Street	Kingston
22W	670 Bridge Street	Niagara Falls
23W	78 Niagara Street	St. Catharines
24W	11 College Street	Kitchener
25W	217 Talbot Street	St. Thomas
26W	271 Ambrose Street	Port Arthur
27W	269 Water Street	Peterborough
28W	131 Wellington Street	Brantford
29W	113 Quebec Street East	Guelph
30W	594 East Market and Water Streets	Brockville
31W	6 Dover Street	Chatham
32W	221 Sherman Avenue North	Hamilton
33W	155 Front Street	Belleville
34W	68-72 Pitt Street	Cornwall
35W	University and Spring Streets	Cobourg
36W	177 Main Street	Prescott
37W	22 Lorne Street	Sudbury
38W	143 Victoria Avenue	Sarnia
39W	107 Oak Street West	North Bay
40W	2 King Street East	Lindsay
41W	Railway Street	Cochrane
42W	215 Bay Street	Sault Ste. Marie
43W	16 Victoria Street North	Smiths Falls
44W	Front Street	Trenton
45W	15 Riverbank St.	Welland
46W	36-38 Reeve Street	Woodstock
47W	32 Erie Street	Stratford
48W	Kilially Street	Port Colborne
49W	1 Second Street	Timmins
50W	Pond Street	Simcoe
51W	269 Mill Street	Port Hope
52W	19 Main Street	Penetang
53W	182 Victoria Street	Pembroke
54W	553 King Street	Preston
55W	27 Cockburn Street	Perth
56W	Railway Street	Kenora
57W	624 Mowat Street	Fort Frances
58W	187 King Street	Gananoque
59W	5 Gilmour Road	Fort Erie
60W	16 Bayfield	Barrie
61W	966 Drouillard Road	Windsor
62W	Brunel and Main Streets	Huntsville
63W	82 Amwell Street	Haileybury
64W	First Avenue and Second Street North	Geraldton
65W	Elgin and Harriett Streets	Arnprior
66W	156 Lake Shore Road	Mimico
67W	Ross Street	Picton

BREWERS' WAREHOUSES—Continued

Warehouse No.		
68W	Murray and Dalhousie Streets	Amherstburg
69W	North Cayuga Street	Dunnville
70W	Main Street	Belle River
71W	Main Street	Glencoe
72W	Champagne Street	Parry Sound
73W	Main Street	Ridgetown
74W	Queen Street South	Tilbury
75W	First Avenue	Schumacher
76W	897 Queen Street East	Toronto
77W	59 King West	Dundas
78W	499 James Street North	Hamilton
79W	Victoria Street	Leamington
80W	269 Dalhousie Street	Ottawa
81W	161 King Street West	Oshawa
82W	24 St. Paul Street	St. Catharines
83W	9 Market Street	Thorold
84W	4 Dunn Street	Oakville
85W	Front Street	Sioux Lookout
86W	Berford Street	Wiarton
87W	35 Prospect Avenue	Kirkland Lake
88W	Durham Street	Walkerton
89W	39 Dickson Street	Galt
90W	Muskoka Road and Main Street	Gravenhurst
91W	Mill Street	Napanee
92W	162 Wyandotte Street East	Windsor
93W	Nelson Street	Wallaceburg
94W	1395 Gerrard Street East	Toronto
95W	Goderich and Green Streets	Port Elgin
96W	Marlborough Street South	East Cornwall
97W	Locke Street	Morrisburg
98W	2422 Dufferin Street	York Township
99W	1133 Yonge Street	Toronto
100W	Norman Street	Palmerston
101W	Elgin and Simcoe Streets	Collingwood
103W	Government Road	Kapuskasing
104W	Nation Street	Casselman
105W	325 Simpson Street	Fort William
106W	15-17 Water Street	Burlington
107W	Broadway and London Streets	Tillsonburg
108W	East and West Streets	New Hamburg
109W	Durham Road	Hanover
110W	Market and Mill Streets	Georgetown
111W	Main and Thomas Streets	Bracebridge

BREWERIES

Bixel Brewing & Malting Company, Ltd.	Brantford
Blue Top Brewing Company, Limited	Kitchener
Brading Breweries, Limited	Ottawa
British American Brewing Company, Ltd	Windsor
Canada Bud Breweries, Limited	Toronto
Capital Brewing Company, Limited	Ottawa
Carling-Kuntz Breweries, Limited	Waterloo
Copland Brewing Company, Limited	Toronto
Cosgrave's Dominion Brewery, Limited	Toronto
Formosa Springs Brewery, Limited	Formosa
Fort Frances Brewing Company, Limited	Fort Frances
Gold Belt Brewery, Limited	Timmins
Kakabeka Falls Brewing Company, Ltd.	Fort William
John Labatt, Limited	London
Lake of the Woods Brewing Company, Limited	Kenora
O'Keefe's Brewing Company, Limited	Toronto
Perth Brewery	Stratford
Port Arthur Beverage Company, Limited	Port Arthur
Reinhardt Brewery Company, Limited	Toronto
Soo Falls Brewing Company, Limited	Sault Ste. Marie
Sudbury Brewing & Malting Company, Limited	Sudbury
Walkerville Brewery, Limited	Windsor

LICENSED BREWING COMPANIES LOCATED OUTSIDE THE PROVINCE OF ONTARIO, THE PRODUCTS OF WHICH ARE SOLD THROUGH ONTARIO BREWERS' WAREHOUSES

Molson's Brewery, Limited	Montreal, Que.
National Breweries, Limited (Wm. Dow & Co.—Montreal) (Dawes Black Horse Breweries—Montreal) (Frontenac Breweries, Ltd.—Montreal)	Montreal, Que.

WINERIES	SALES OFFICES
Acme Wine Co. Ltd., 889 Queen St. W., Toronto.	708 Danforth Ave., Toronto
Barnes Wines Ltd., Grantham Twp., St. Catharines.	703 Yonge St., Toronto 16 Main St. E., North Bay 189 Front St., Belleville
Bordeaux Wines Ltd., R.R. No. 2, Stone Road, Niagara-on-the-Lake.	771 Queen St. E., Toronto
Bright's Wines, Limited Dorchester Road, Niagara Falls.	513 St. Clair Ave. W., Toronto 209 Yonge St., Toronto 186 Sparks St., Ottawa 91 King St. E., Hamilton 33 Elm St., Sudbury 591 Ouelette Ave., Windsor 187 Dundas St., London 537 Bloor St. W., Toronto
Canadian Wineries Ltd., Stamford and Grantham Twps., Niagara Falls.	878 Yonge St., Toronto 378 Talbot St., St. Thomas 299 St. Paul St., St. Catharines 940 St. Clair Ave. W., Toronto
Cooksville Wine Vaults Alex. Thomas, Prop., Dundas Highway, Cooksville.	Dundas Highway, Cooksville
Danforth Wines Ltd., 1076 Lakeshore Rd., New Toronto.	1426 Yonge St., Toronto 828 Lakeshore Road, New Toronto 2091 Danforth Ave., Toronto 26 Queen St. E., Toronto
Grimsby Wines Ltd., 164 Main St. W., Grimsby.	427 Spadina Ave., Toronto
Hamilton, J. S. & Co. Ltd., 44-46 Dalhousie St., Brantford.	44-46 Dalhousie St., Brantford
Hillrust Wine Co. Ltd., R.R. No. 4, St. Catharines.	224 Charlotte St., Peterboro
Jordan Wine Co. Ltd., Jordan and St. Catharines.	169 Sparks St., Ottawa 1314 Bloor St. W., Toronto
Kitchener Winery, Bruno Huehnergard, Prop. R.R. No. 3, Kitchener	60 Queen St. S., Kitchener
London Winery Ltd., Westminster Twp., London.	1548 Bloor St. W., Toronto 409 Ridout St., London 268 Princess St., Kingston 52 Rideau St., Ottawa 174 King St. W., Chatham
Fred Marsh Winery Ltd., 749 Park St., Niagara Falls.	73 Bank St., Ottawa 31 Second St., Cornwall
National Wine Co. Ltd., 27 Brock Ave., Toronto.	27 Brock Ave., Toronto
Old Battlefield Wine Co., Bertrand Sanderson, Prop., R.R. No. 5, Hamilton.	744 Barton St. E., Hamilton
The Parkdale Wines Ltd., 181-185 Bathurst St., Toronto.	181 Bathurst St., Toronto 1165 St. Clair Ave. W., Toronto 42 Government Rd. W., Kirkland Lake 1251 Ottawa St., Windsor

WINERIES—Continued

Peerless Wine Mfgrs. Ltd., 448 Queen St. E., Toronto.	448 Queen St. E., Toronto
Royal City Winery, John Tantardini, Prop., 32 Wilson St., Guelph.	32 Wilson St., Guelph
St. Catharines Wine Co. of Canada Ltd., Woodburn Ave., St. Catharines.	10-10½ Cedar St. S., Timmins 8-10 Lisgar St., Sudbury
Turner Wine Company, Mrs. H. Padden Robinson, Prop., 104-106 Front St. E., Toronto.	198 Queen St. W., Toronto 15 King William St., Hamilton
Twin City Wine Co., 514 McTavish St., Fort William.	287 Bay St., Port Arthur
Welland Winery, Louis Banko, Prop., 268 King St., Welland.	272 King St., Welland

SCHEDULE III.

STATEMENT SHOWING THE NUMBER OF PERMITS AND LICENSES WHICH WERE ISSUED DURING THE TWELVE MONTHS' PERIOD ENDING MARCH 31st, 1940

PERMITS

Resident	45,016
Temporary	17
Duplicate	1,530
Single Purchase	2,732,493
Physician	66
Druggist	1,634
Dentist and Veterinary Surgeons	29
Manufacturers	174
Mechanical and Scientific	104
Hospital	205
Duplicate Special	2

LICENSES

Brewers'	27
Brewers' Warehouses	1,530
Native Wine	23
Sacramental Wine Vendorships	5
Non-Potable Alcohol Storage Warehouses	3

LIGHT BEER PERMITS

Brewers' Light Beer Permits	3
Brewers' Light Beer Warehouses	3
Restaurant Light Beer Permits	43
Shop Light Beer Permits	2

SUMMARY OF AUTHORITIES, STANDARD HOTEL LICENSES AND LIGHT BEER PERMITS ISSUED, CANCELLED, SUSPENDED OR SURRENDERED AND REINSTATED DURING THE YEAR WITH NUMBER OPERATIVE ON MARCH 31st., 1940

Schedule IV

Municipalities	Authorities Issued				Authorities Cancelled Suspended or Surrendered				Authorities Re-instated which had been previously Suspended				Authorities Operative March 31, 1940				Standard Hotel Licenses Issued to non-authority holders		Standard Hotel Licenses Cancelled or Suspended which had been previously issued to non-authority holders		Standard Hotel Licenses Re-instated which had been previously suspended		Standard Hotel Licenses Issued to non-authority holders operative, March 31 1940	
	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit
Acton	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Adjala Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Aldbourough Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	..	1	..	..	1
Alexandria	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Alfred Township	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Algoma North Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Alliston	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Almonte	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Alvinston	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Amherstburg	2	1	..	..	1	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..
Anderdon Township	2	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Anson Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Armstrong Township	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Arnprior	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Arthur	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Assiginack Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Aylmer	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Ayr	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Bala	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..

Baldwin Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Barrie	6	..	2	..	..	..	..	..	..	..	..	..	6	..	2	..	..	..	..	..	..	..	..	..
Barry's Bay	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Barton Township	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Bayham Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Beaverton	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Beeton	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Belle River	5	..	..	..	2	..	..	..	2	..	..	..	5	..	..	..	..	..	..	..	..	..	..	..
Belleville	7	2	3	..	..	..	..	..	..	..	..	..	7	2	3	..	..	..	..	..	..	..	..	..
Bertie Township	3	3	..	..	..	..	..	..	..	..	..	..	3	3	..	..	..	..	..	..	..	..	..	..
Bexley Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Blandford Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Blenheim	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Blezard Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Blind River	5	..	..	..	..	..	..	..	..	..	..	..	5	..	..	..	..	..	..	..	..	..	..	..
Blyth	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Bobcaygeon	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	3	..
Bonfield	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Bosanquet Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Bothwell	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Bradford	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Brant Township	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Brantford	9	4	5	..	..	..	..	..	..	..	..	..	9	4	5	..	..	..	..	..	..	..	..	..
Brock Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Brockville	5	1	1	..	..	..	..	..	..	..	..	..	5	1	1	..	1	..	..	..	..	..	1	..
Bromley Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Bruce Mines	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Brussels	2	..	..	..	1	..	..	..	1	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Buchanan Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Burford Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Burk's Falls	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Burleigh Township	3	..	..	..	2	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	1	..
Burlington	4	..	..	..	..	..	..	..	..	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..
Burlington Beach Comm.	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Cache Bay	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Caldwell Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Caledonia	2	1	..	..	..	..	..	..	..	..	..	..	2	1	..	..	..	..	..	..	..	..	..	..
Calvert Township	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	1	..	..	..	..	..	1	..
Cambridge Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	1	..
Capreol	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Cardinal	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Carnarvon Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	2
Carrick Township	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Casimir Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Casselman	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..

SUMMARY OF AUTHORITIES, STANDARD HOTEL LICENSES AND LIGHT BEER PERMITS ISSUED, CANCELLED, SUSPENDED OR SURRENDERED AND REINSTATED DURING THE YEAR WITH NUMBER OPERATIVE ON MARCH 31st, 1940 Schedule IV—(*Continued*)

Municipalities	Authorities Issued				Authorities Cancelled Suspended or Surrendered				Authorities Re-instated which had been previously Suspended				Authorities Operative March 31, 1940				Standard Hotel Licenses Issued to non-authority holders		Standard Hotel Licenses Cancelled or Suspended which had been previously issued to non-authority holders		Standard Hotel Licenses Re-instated which had been previously suspended		Standard Hotel Licenses Issued to non-authority holders operative March 31, 1940	
	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit
Cayuga	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Chandos Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Chapleau Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	2
Chappel Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Chatham Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Chatham	9	3	2	..	..	..	..	..	..	..	..	..	9	3	2	..	..	..	..	..	..	..	..	..
Chatsworth	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Chelmsford	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Chesley	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Chesterville	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Chippawa	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Clarence Township	4	..	..	..	..	..	..	..	..	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..
Clifford	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Clinton	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Cobalt	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Cobden	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Cobourg	6	1	..	..	..	..	..	..	..	..	..	..	6	1	..	..	..	..	..	..	..	..	..	..
Cochrane	5	..	..	..	..	..	..	..	..	..	..	..	5	..	..	..	..	..	..	..	..	..	..	..
Colchester S. Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..

Collingwood	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Cornwall	6	..	1	..	..	..	..	..	..	..	..	..	6	..	1	..	..	..	..	..	..	..	..	..
Cornwall Township	4	..	..	..	..	..	..	..	..	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..
Cosby and Mason Townships	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Courtwright	1	..	..	..	1	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Creemore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Crosby S. Township	2	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Crowland Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Crystal Beach	8	..	..	..	5	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Culross Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Cumberland Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Delhi	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Deseronto	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Douro Township	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dover Township	4	..	..	..	..	..	..	..	..	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..
Drayton	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Dresden	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Drummond Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Drury Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Dryden	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Dundalk	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Dundas	3	..	2	..	..	..	..	..	..	..	..	..	3	..	2	..	..	..	..	..	..	..	..	..
Dunn Township	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dunnville	4	..	..	..	..	..	..	..	..	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..
Durham	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	2	..
Dutton	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Dysart Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
East Hope North Township	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
East Hope South Township	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Eastview	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Edwardsburg Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Eganville	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Elmira	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Elora	1	1	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..
Embro	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Emo Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Englehart	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Erieau	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Erin	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Esquesing Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Essex	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Etobicoke Township	5	5	..	..	..	..	..	..	..	..	..	..	5	5	..	..	..	..	..	..	..	..	..	..
Exeter	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Ferris E. Township	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ferris W. Township	2	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..

SUMMARY OF AUTHORITIES, STANDARD HOTEL LICENSES AND LIGHT BEER PERMITS ISSUED, CANCELLED, SUSPENDED OR SURRENDERED AND REINSTATED DURING THE YEAR WITH NUMBER OPERATIVE ON MARCH 31st, 1940 Schedule IV—(*Continued*)

Municipalities	Authorities Issued				Authorities Cancelled Suspended or Surrendered				Authorities Re-instated which had been previously Suspended				Authorities Operative March 31, 1940				Standard Hotel Licenses Issued to non-authority holders		Standard Hotel Licenses Cancelled or Suspended which had been previously issued to non-authority holders		Standard Hotel Licenses Re-instated which had been previously suspended		Standard Hotel Licenses Issued to non-authority holders operative March 31, 1940	
	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit
Field Township	3	..	..	..	1	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Finch Township	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Flesherton	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Flos Township	4	..	..	..	2	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Forest	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Fort Erie	10	2	1	..	..	1	..	..	..	..	..	..	10	1	1	..	..	..	..	..	..	..	..	..
Fort Frances	6	1	..	..	..	..	..	..	..	..	..	..	6	1	..	..	..	..	..	..	..	..	..	..
Fort William	10	7	..	..	..	..	..	..	..	..	..	..	10	7	..	..	..	..	..	..	..	..	..	..
Frankford	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Franklin Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Galt	4	2	2	..	..	1	..	..	..	..	..	..	4	1	2	..	..	..	..	..	..	..	..	..
Gananoque	3	..	1	..	1	..	..	..	..	..	..	..	2	..	1	..	..	..	..	..	..	..	..	..
Georgetown	2	1	..	..	..	..	..	..	..	..	..	..	2	1	..	..	..	..	..	..	..	..	..	..
Georgina Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Geraldton	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Glanford Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Glencoe	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Gloucester Township	3	2	..	..	1	..	..	..	..	..	..	..	2	2	..	..	..	..	..	..	..	..	..	..
Goderich	4	..	..	..	1	..	..	..	..	..	..	..	3	..	..	..	1	..	..	..	..	..	1	..

Gore Bay	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	2
Gower N. Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Grantham Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Gravenhurst	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Greenock Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Grimsby	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Guelph	6	3	5	..	..	..	..	..	..	..	..	..	6	3	5	..	..	..	..	..	..	..	..	..
Hagar Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Hagersville	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Haileybury	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Haldimand Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Hamilton	52	20	27	..	..	..	..	..	..	..	..	..	52	20	27	..	..	..	..	..	..	..	..	..
Hanover	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Harriston	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Harrow	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Hastings	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Hawkesbury	3	..	..	..	2	..	..	..	2	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Hawkesbury E. Township	1	..	..	..	1	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Hay Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Head, Clara & Maria Twp.	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Hearst	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Hensall	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Hepworth	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Hespeler	2	1	..	..	..	..	..	..	..	..	..	..	2	1	..	..	..	..	..	..	..	..	..	..
Highgate	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Hilton Township	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Himsworth N. Township	2	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	1	..
Horton Township	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Humberstone	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Humberstone Township	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Hungerford Township	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Huntsville	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Ingersoll	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	2	..
James Township	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Jarvis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Kaladar Township	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Kapuskasing	6	..	..	..	..	..	..	..	..	..	..	..	6	..	..	..	..	..	..	..	..	..	..	..
Keewatin	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Kemptville	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Kennebec Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Kenora	6	1	1	..	..	..	..	..	..	..	..	..	6	1	1	..	..	..	..	..	..	..	..	..
Killaloe Station	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Kincardine	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
King Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	1	1
Kingston	8	3	7	..	..	..	..	..	..	..	..	..	8	3	7	..	..	..	..	..	..	..	..	..

SUMMARY OF AUTHORITIES, STANDARD HOTEL LICENSES AND LIGHT BEER PERMITS ISSUED, CANCELLED, SUSPENDED OR SURRENDERED AND REINSTATED DURING THE YEAR WITH NUMBER OPERATIVE ON MARCH 31st, 1940 Schedule IV—(*Continued*)

Municipalities	Authorities Issued				Authorities Cancelled Suspended or Surrendered				Authorities Re-instated which had been previously Suspended				Authorities Operative March 31, 1940				Standard Hotel Licenses Issued to non-authority holders		Standard Hotel Licenses Cancelled or Suspended which had been previously issued to non-authority holders		Standard Hotel Licenses Re-instated which had been previously suspended		Standard Hotel Licenses Issued to non-authority holders operative March 31, 1940	
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Kingsville	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Kitchener	8	8	2	..	..	3	..	..	..	..	..	..	8	5	2	..	..	..	..	..	..	..	..	..
Kitley Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Lakefield	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	1	1
Lancaster	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Larder Lake	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
LaSalle	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Leamington	4	1	..	..	..	..	..	..	..	..	..	..	4	1	..	..	..	..	..	..	..	..	..	..
Lindsay	5	1	2	..	..	..	..	..	..	..	..	..	5	1	2	..	..	..	..	..	..	..	..	..
Listowel	2	..	2	..	..	..	..	..	..	..	..	..	2	..	2	..	..	..	..	..	..	..	..	..
Little Current	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Lochiel Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
London	24	8	9	..	..	1	..	..	..	..	..	..	24	7	9	..	..	..	..	..	..	..	..	..
Long Branch	2	1	..	..	..	..	..	..	..	..	..	..	2	1	..	..	..	..	..	..	..	..	..	..
L'Orignal	2	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Louth Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Lucan	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	1	..	..	..	..	..
Machin Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Madoc	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..

Magnetewan	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Maidstone Township	2	..	..	..	1	..	..	..	1	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Malden Township	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Manvers Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Mara Township	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
March	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Markdale	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Marmora	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Martland Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Massey Station	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Mattawa	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Maxville	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	1	..	..	..	1	..
McKillop Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
McMurrich Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Medora and Wood Township	2	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Merrickville	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Merritton	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Middleton Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Midland	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Mildmay	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Millbrook	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Milton	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Milverton	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Mimico	1	1	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..
Minden Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Mitchell	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Monck Township	3	..	..	..	2	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Monteagle Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Moore Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Morley Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Morris Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Morrisburg	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
MorrisonTownship	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Mountain Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Mount Forest	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Nairn Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Napanee	4	..	1	..	..	..	..	..	..	..	..	..	4	..	1	..	..	..	..	..	..	..	..	..
Neebing Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Nelson Township	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Neustadt	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Newcastle	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
New Hamburg	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
New Liskeard	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Newmarket	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
New Toronto	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..

SUMMARY OF AUTHORITIES, STANDARD HOTEL LICENSES AND LIGHT BEER PERMITS ISSUED, CANCELLED, SUSPENDED OR SURRENDERED AND REINSTATED DURING THE YEAR WITH NUMBER OPERATIVE ON MARCH 31st, 1940 Schedule IV—(*Continued*)

Municipalities	Authorities Issued				Authorities Cancelled Suspended or Surrendered				Authorities Re-instated which had been previously Suspended				Authorities Operative March 31, 1940				Standard Hotel Licenses Issued to non-authority holders		Standard Hotel Licenses Cancelled or Suspended which had been previously issued to non-authority holders		Standard Hotel Licenses Re-instated which had been previously suspended		Standard Hotel Licensse Issued to non-authority holders operative March 31, 1940	
	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit
Niagara Falls	17	4	1	..	1	..	..	..	..	..	..	..	16	4	1	..	..	..	..	..	..	..	..	..
Niagara Town	3	2	3	..	2	..	3	..	..	..	..	..	1	2	..	..	..	..	..	..	..	..	..	..
Niagara Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Nipigon Township	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Normanby Township	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
North Bay	6	..	1	..	..	..	1	..	..	..	..	..	6	..	..	..	..	..	..	..	..	..	..	..
Oakville	5	1	..	..	..	..	..	..	..	..	..	..	5	1	..	..	..	..	..	..	..	..	..	..
Oil Springs	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Omemee	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Orangeville	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	1	..	..	..	1	1
Orillia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Orillia Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Oshawa	4	2	3	..	..	..	..	..	..	..	..	..	4	2	3	..	..	..	..	..	..	..	..	..
Osnabruck Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Ottawa	40	9	14	..	1	1	..	..	1	..	..	..	40	8	14	..	..	..	..	..	..	..	..	..
Owen Sound	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	2	..
Paipoonge Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Paisley	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Palmerston	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..

Paris	4	1	..	..	..	..	..	..	..	..	..	..	4	1	..	..	..	..	..	..	..	..	..	..
Parry Sound	2	1	.	..	1	..	..	..	..	..	..	..	1	1	..	..	1	..	..	..	..	..	1	..
Pelee Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Pembroke	5	1	1	..	..	1	..	..	..	..	..	..	5	..	1	..	..	..	..	..	..	..	..	..
Penetang	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Perry Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Perth	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Petawawa Township	..	..	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..
Peterborough	8	1	2	..	..	..	..	..	..	..	..	..	8	1	2	..	..	..	..	..	..	..	..	..
Petrolia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Picton	2	..	2	..	..	..	..	..	..	..	..	..	2	..	2	..	..	..	..	..	..	..	..	..
Pittsburgh Township	..	..	5	..	..	..	..	..	..	..	..	..	..	..	5	..	..	..	..	..	..	..	..	..
Plantagenet N. Township	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	1	..	..	..	..	..	1	..
Plantagenet S. Township	2	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Playfair Township	2	..	..	..	2	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Point Edward	1	1	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..
Port Arthur	13	3	..	..	2	1	..	..	2	..	..	..	13	2	..	..	..	..	..	..	..	..	..	..
Port Colborne	6	..	..	..	1	..	..	..	1	..	..	..	6	..	..	..	..	..	..	..	..	..	..	..
Port Credit	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	1	..
Port Dalhousie	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Port Dover	3	..	..	..	1	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Port Elgin	2	..	1	..	..	..	..	..	..	..	..	..	2	..	1	..	..	..	..	..	..	..	..	..
Port Hope	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Port Perry	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Port Rowan	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Portsmouth	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Port Stanley	5	..	..	..	2	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Powassan	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	1	..
Prescott	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Preston	5	1	..	..	..	..	..	..	..	..	..	..	5	1	..	..	..	..	..	..	..	..	..	..
Radcliffe Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Rainham Township	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Rainy River	2	1	..	..	..	..	..	..	..	..	..	..	2	1	..	..	..	..	..	..	..	..	..	..
Ratter and Dunnett Township	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Renfrew	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	1	1
Ridgetown	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Ripley	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	1	1
Riverside	4	3	..	..	1	..	..	..	1	..	..	..	4	3	..	..	..	..	..	..	..	..	..	..
Rochester Township	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Rockland	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Rosseau	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Roxborough Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Russell Township	4	..	..	..	1	.	.	..	1	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..
Rutherford Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
St. Catharines	14	4	3		.	..	..	..	..	..	..	..	14	4	3	..	..	..	..	..	..	..	..	..

SUMMARY OF AUTHORITIES, STANDARD HOTEL LICENSES AND LIGHT BEER PERMITS ISSUED, CANCELLED, SUSPENDED OR SURRENDERED AND REINSTATED DURING THE YEAR WITH NUMBER OPERATIVE ON MARCH 31st, 1940 Schedule IV—(*Continued*)

Municipalities	Authorities Issued				Authorities Cancelled Suspended or Surrendered				Authorities Re-instated which had been previously Suspended				Authorities Operative March 31, 1940				Standard Hotel Licenses Issued to non-authority holders		Standard Hotel Licenses Cancelled or Suspended which had been previously issued to non-authority holders		Standard Hotel Licenses Re-instated which had been previously suspended		Standard Hotel Licenses Issued to non-authority holders operative March 31, 1940	
	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit
St. Marys	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
St. Thomas	12	1	4	..	..	..	..	..	..	..	..	..	12	1	4	..	..	..	..	..	..	..	..	..
Saltfleet Township	4	1	..	..	..	..	..	..	..	..	..	..	4	1	..	..	..	..	..	..	..	..	..	..
Sandwich E. Township	5	1	..	..	3	..	..	..	2	..	..	..	4	1	..	..	..	..	..	..	..	..	..	..
Sandwich W. Township	4	4	..	..	..	1	..	..	..	..	..	..	4	3	..	..	..	..	..	..	..	..	..	..
Sarnia	6	2	..	2	..	1	..	2	..	..	..	..	6	1	..	..	..	..	..	..	..	..	..	..
Sault Ste. Marie	14	5	2	1	..	1	..	..	..	..	..	..	14	4	2	1	..	..	..	..	..	..	..	..
Scarboro Township	7	7	..	..	..	2	..	..	..	1	..	..	7	6	..	..	..	..	..	..	..	..	..	..
Seaforth	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Sheffield Township	2	..	..	..	1	..	..	..	1	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Shelbourne	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Sherwood Township	1	..	..	..	2	..	..	..	2	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Shuniah Township	1	1	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Simcoe	5	1	2	..	..	..	..	..	..	..	..	..	5	1	2	..	..	..	..	..	..	..	..	..
Sioux Lookout	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Smiths Falls	4	..	..	..	..	..	..	..	..	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..
Smooth Rock Falls	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Sombra Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	2	..
Southampton	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..

South River	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Southwold Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Springfield	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Springer Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Stamford Township	4	..	..	..	..	..	..	..	..	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..
Stayner	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	2	..
Stephen Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	3	..
Stephenson Township	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Stirling	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Stoney Creek	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Storrington Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	2	..
Stratford	7	1	5	..	1	..	..	..	..	..	..	..	6	1	5	..	..	..	..	..	..	..	..	..
Strathroy	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Streetsville	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Sturgeon Falls	4	..	..	..	..	..	..	..	..	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..
Sudbury	14	2	2	..	..	..	..	..	..	..	..	..	14	2	2	..	..	..	..	..	..	..	..	..
Sullivan Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Sundridge	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Sunnidale	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Sutton W.	4	..	..	..	1	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Tara	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Tavistock	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Teck Township	14	1	..	..	1	..	..	..	1	..	..	..	14	1	..	..	2	..	..	..	..	..	2	..
Tecumseh	3	3	..	..	..	..	..	..	..	..	..	..	3	3	..	..	..	..	..	..	..	..	..	..
Thamesville	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Thedford	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Thessalon	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Thornbury	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Thorold	4	1	..	..	..	..	..	..	..	..	..	..	4	1	..	..	..	..	..	..	..	..	..	..
Tilbury	2	1	..	..	..	..	..	..	..	..	..	..	2	1	..	..	..	..	..	..	..	..	..	..
Tilbury N. Township	2	..	..	..	1	..	..	..	1	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Tillsonburg	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Timmins	19	1	..	..	..	..	..	..	..	..	..	..	19	1	..	..	..	..	..	..	..	..	..	..
Tisdale Township	11	..	..	..	..	..	..	..	..	..	..	..	11	..	..	..	..	..	..	..	..	..	..	..
Toronto	117	49	50	5	2	2	..	5	1	..	..	..	116	47	50	..	6	..	..	..	..	..	6	..
Toronto Township	..	4	..	..	..	..	..	..	..	..	..	..	..	4	..	..	1	..	..	..	..	..	1	..
Tosoronto Township	..	..	4	..	..	..	..	..	..	..	..	..	..	..	4	..	..	..	..	..	..	..	..	..
Tottenham	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..
Trenton	4	..	..	..	..	..	..	..	..	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..
Trout Creek	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Tweed	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Tyendinaga Township	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Uxbridge	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Vankleek Hill	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Vienna	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..

SUMMARY OF AUTHORITIES, STANDARD HOTEL LICENSES AND LIGHT BEER PERMITS ISSUED, CANCELLED, SUSPENDED OR SURRENDERED AND REINSTATED DURING THE YEAR WITH NUMBER OPERATIVE ON MARCH 31st, 1940 Schedule IV—(*Continued*)

Municipalities	Authorities Issued				Authorities Cancelled Suspended or Surrendered				Authorities Re-instated which had been previously Suspended				Authorities Operative March 31, 1940				Standard Hotel Licenses Issued to non-authority holders		Standard Hotel Licenses Cancelled or Suspended which had been previously issued to non-authority holders		Standard Hotel Licenses Re-instated which had been previously suspended		Standard Hotel Licenses Issued to non-authority holders operative March 31, 1940	
	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Standard Hotel License Holders	Clubs	Military Messes	Railways and Steamships	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit	Without Light Beer Permit	With Light Beer Permit
Walkerton	3	..	2	..	..	..	..	..	..	..	..	..	3	..	2	..	..	..	..	..	..	..	..	..
Wallaceburg	3	1	..	..	..	..	..	..	..	..	..	..	3	1	..	..	..	..	..	..	..	..	..	..
Walsingham S. Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Wardsville	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Warwick Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Waterdown	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Waterford	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Waterloo	3	2	..	..	..	..	..	..	..	..	..	..	3	2	..	..	..	..	..	..	..	..	..	..
Waterloo Township	6	..	..	..	1	..	..	..	1	..	..	..	6	..	..	..	..	..	..	..	..	..	..	..
Watford	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Webbwood	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Welland	6	3	2	..	..	..	..	..	..	..	..	..	6	3	2	..	..	..	..	..	..	..	..	..
Wellesley Township	5	..	..	..	..	..	..	..	..	..	..	..	5	..	..	..	..	..	..	..	..	..	..	..
Westport	2	..	..	..	1	..	..	..	1	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Whitby	3	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Whitby Township	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
Whitney Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Wiarton	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Wicksteed Township	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..

Widdifield	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Williamsburg Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Willoughby Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Wilmot Township	6	..	..	..	..	..	..	..	..	..	..	..	6	..	..	..	..	..	..	..	..	..	..	..
Windsor	63	13	4	3	5	1	..	3	3	1	..	..	61	13	4	..	..	..	..	..	..	..	..	..
Wingham	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	2	..
Wolfe Island Township	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Woodbridge	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Woodstock	4	1	2	..	..	..	..	..	..	..	..	..	4	1	2	..	..	..	..	..	..	..	..	..
Woolwich Township	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Wylie Township	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
York Township	4	11	..	..	..	..	..	..	..	..	..	..	4	11	..	..	..	..	..	..	..	..	..	..
York East Township	2	4	..	..	..	2	..	..	..	1	..	..	2	3	..	..	..	..	..	..	..	..	..	..
York North Township	2	7	..	..	..	3	..	..	..	2	..	..	2	6	..	..	..	..	..	..	..	..	..	..
Unorganized Territory	73	1	..	..	15	..	..	..	1	..	..	..	59	1	..	..	1	..	..	..	..	..	1	..
TOTALS	1236	252	195	11	89	23	4	10	29	5	..	..	1176	234	191	1	103	39	4	1	..	..	99	38

Ontario Department of Agriculture

REPORT

OF THE

Minister of Agriculture

Province of Ontario

FOR THE YEAR ENDING MARCH 31st, 1940

Printed by Order of
THE LEGISLATIVE ASSEMBLY OF ONTARIO

(SESSIONAL NUMBER 21)

ONTARIO

TORONTO
Printed and Published by T. E. Bowman, Printer to the King's Most Excellent Majesty
1940

DEPARTMENT OF AGRICULTURE
PROVINCE OF ONTARIO

To The Honourable Albert Matthews, LL.D.,
Lieutenant-Governor of Ontario.

May It Please Your Honour:

I have the honour to submit the Report of the Department of Agriculture for the year 1939-40.

I have the honour to be, Sir,

Your obedient servant,

P. M. DEWAN,
Minister of Agriculture.

Toronto, March 31, 1940.

PRINCIPAL OFFICERS OF THE DEPARTMENT OF AGRICULTURE

THE HONOURABLE P. M. DEWAN, Minister

W. R. REEK, Deputy Minister

MISS J. M. FRY, Secretary to the Minister

MISS M. S. MARTIN, Accountant

G. I. CHRISTIE, B.S.A., D.Sc.	*President, Ontario Agricultural College, Guelph.*
C. D. McGILVRAY, M.D.V., D.V.Sc.	*Principal, Ontario Veterinary College, Guelph.*
M. C. McPHAIL, B.S.A.	*Principal, Kemptville Agricultural School.*
E. F. PALMER, B.S.A.	*Director, Horticultural Experimental Station, Vineland.*
J. C. STECKLEY, B.S.A.	*Director, Western Ontario Experimental Farm, Ridgetown.*
S. H. H. SYMONS, B. Comm. F.S.S.	*Principal Clerk, Statistics and Publications Branch.*
J. A. CARROLL, B.S.A.	*Superintendent, Agricultural and Horticultural Societies Branch.*
L. E. O'NEILL, B.S.A.	*Director, Live Stock Branch.*
MISS MARY A. CLARKE, M.A.	*Superintendent, Women's Institutes Branch.*
P. W. HODGETTS, B.S.A.	*Director, Fruit Branch.*
C. E. LACKNER, B.S.A.	*Director, Dairy Branch.*
R. S. DUNCAN, B.S.A.	*Director, Agricultural Representative Branch.*
CHARLES M. MEEK, B.S.A.	*Chairman, Milk Control Board of Ontario.*
GEO. WILSON, B.S.A.	*Director, Co-operation and Markets Branch.*
J. D. MacLEOD	*Acting Director, Crops, Seeds and Weeds Branch.*
L. CAESAR, B.A., B.S.A.	*Provincial Entomologist.*
L. STEVENSON, B.V., Sc., M.S.	*Provincial Zoologist.*
T. A. DOUGLAS, B.S.A.	*Superintendent, New Liskeard Demonstration Farm.*
W. A. MONTCALM, B.S.A.	*Superintendent, Hearst Demonstration Farm.*

ONTARIO AGRICULTURAL COLLEGE

With the declaration of war in September, the College was faced with new problems. In addition to increased work on the campus, there was a much larger demand on members of the staff from the people of the Province. Individuals, as well as organizations, were giving consideration to production and marketing. They were seeking assistance on better plans and methods. This offered an opportunity to give valuable assistance. Members of the Staff have taken an active part on the Ontario Feed Board, the Ontario Fertilizer Board, Poultry Industries Committee, Animal Nutrition and other committees.

In early September, the Chairman of the National Research Council issued a statement to all universities and colleges urging students to continue their courses and to prepare themselves for the larger work which is bound to come through the years. This appeal met with a most favourable response on the part of the young people. They have taken their work seriously and have applied themselves in an effective manner. A widespread interest was taken in the Canadian Officers' Training Corps which was under the leadership of Major E. W. Kendall, assisted by members of the Staff. The Corps had an enrolment of 254. More than one hundred of this group made plans to take part in the Summer Camp held at London in June.

In January, 1940, courses in Foods and Nutrition were organized for R.C.A.F. chefs with the object of teaching these men the best possible use of army rations. Sixteen chefs are accommodated during each six-week period. In the preparation of the courses, helpful assistance was given by Dr. F. F. Tisdall, Chairman of the Committee on Nutrition of the Canadian Medical Association; Miss V. M. Ryley of the T. Eaton Co., and Miss E. Middleton of the Central Technical School, Toronto. In these courses we have had the full co-operation of the Departments of Animal Nutrition, Macdonald Institute, Animal Husbandry, Horticulture, Bacteriology, Biology, Dairy, Poultry and Trent Institute.

Under the Dominion-Provincial Youth Training Scheme, forty-seven young men took a Two-Weeks Course in Agriculture, February 19 to March 2. These young men were under the leadership of Mr. Alex. Maclaren.

ATTENDANCE

Attendance at the College continues at a high mark. The dormitories, laboratories and classrooms are filled to capacity.

In the general courses in agriculture there was an enrolment of 598. Macdonald Institute had an attendance of 220. The special Two-Weeks Courses in Agriculture, held December 27 - January 9, had a total of 749. The Summer School for Teachers, Dairy Short Course and other courses brought the total enrolment of the year to 2,372.

REPORT OF THE REGISTRAR

(Figures include all students who were in attendance during the period from April 1, 1939, to March 31, 1940.)

General Course	598	
Specialists in General Course Work	1	
Poultry Specialists (One Year Course)	3	
Baking School	10	
Live Stock and Field Crops	295	
Poultry Raising	52	
Horticulture	87	
Agriculture	44	
Farm Mechanics	234	
Course in Co-operation	89	
Dairy Course (Three Months)	62	
Cheesemakers' and Buttermakers' Conference (April, 1939)	132	
Ice Cream Course (April, 1939)	22	
Dominion-Provincial Youth Training Course (Two Weeks)	47	
Special Purchasing Agents' and Chefs' Course (Four Days)	31	
Royal Canadian Air Force Chefs' Course	32	
		1,739
Domestic Science (Macdonald Institute)	220	
Girls' Conference (Junior Women's Institute)	461	
		681

SUMMER COURSE:

Intermediate Course—			
1st Year	48		
2nd Year	68	116	
Elementary Courses—			
1st Year	103		
2nd Year	180	283	
Farm Mechanics		18	
			417
Total			2,837

ANALYSIS OF COLLEGE ROLL, 1939-40

(General Course in Agriculture)

FROM ONTARIO

Algoma	1	Kent	13	Prince Edward	5
Brant	7	Lambton	18	Rainy River	0
Bruce	5	Lanark	7	Renfrew	5
Carleton	53	Leeds	6	Russell	0
Cochrane	4	Lennox & Addington	2	Simcoe	17
Dufferin	1	Lincoln	12	Stormont	4
Dundas	7	Manitoulin	2	Sudbury	2
Durham	8	Middlesex	26	Temiskaming	0
Elgin	10	Muskoka	3	Thunder Bay	2
Essex	25	Nipissing	1	Victoria	4
Frontenac	3	Northumberland	3	Waterloo	18
Glengarry	3	Norfolk	2	Welland	11
Grenville	3	Ontario	12	Wellington	36
Grey	16	Oxford	15	Wentworth	14
Haldimand	8	Parry Sound	0	York	93
Halton	11	Peel	18		
Hastings	7	Peterborough	6	Total from Ontario	551
Huron	6	Prescott	0		
Kenora	1	Perth	15		

FROM OTHER PROVINCES OF THE DOMINION

Alberta	2	New Brunswick	3	Prince Edward Isl.	6
British Columbia	8	Nova Scotia	0	Saskatchewan	5
Manitoba	3	Quebec	1		
				Total from Other Provinces	28

FROM OTHER COUNTRIES

British West Indies	3	Holland	3	Turkey	1
China	1	Hungary	1	U.S.A.	6
England	2	Ireland	0		
East Africa	1	Scotland	1	Total from Other Countries	19

Total 598

Superannuation of Dr. O. J. Stevenson

After twenty-three years of continuous service, Dr. O. J. Stevenson, Head of the Department of English, retired on June 1, 1939. Dr. Stevenson has long been interested in Canadian literature and art and was made a Fellow of the Royal Society of Canada in recognition of the services he has rendered. He is the author of many text books which are in general use in schools of the province. He was editor of the Canadian School Shakespeare and author of "A People's Best" and "The Unconquerable North."

A graduate of the University of Toronto in 1893, Dr. Stevenson was Associate Professor of Education at Queen's University for four years. Later he served as Head of the Department of English, College of Education, Toronto, and in 1916 joined the staff of the Ontario Agricultural College as Professor of English.

Appointment of Dr. G. E. Reaman

Dr. Reaman came to the College as Head of the Department of English on September 1, 1939. He brings to this position a wealth of experience and a deep interest in young people and farm life.

After graduation from the University of Toronto in 1911, Dr. Reaman travelled in the British Isles and on the Continent. In 1920 he took his Doctor's Degree at Cornell University where he specialized in Rural Education and Rural Economics. During the past six years he has served as Principal of the Glen Lawrence School in Toronto where he taught English and Moderns.

Professor E. H. Garrard Heads Department of Bacteriology

On September 15, 1939, Professor E. H. Garrard was appointed Head of the Department of Bacteriology.

Professor Garrard was graduated from the Ontario Agricultural College in 1927 and has been associated with the Department since the fall of 1928. He went to the Central Experimental Farm, Ottawa, on exchange with A. Jones, 1937-38. His time there was spent on research problems relating to bacon spoilage. In 1938, he was granted the M.S.A. degree by the University of Toronto.

Professor Garrard, with outstanding administrative ability, a research worker and a teacher, gives to this Department strong leadership.

Death of Dr. Roland E. Stone

Another great loss has come to the College through the death of Dr. Roland E. Stone, Associate Professor in the Department of Botany.

Dr. Stone had been with the College since September, 1912, during which time he was a force among the students. In his research work in Plant Pathology he gave valuable assistance to farmers. He was an enthusiastic follower of athletics, serving for a number of years as Assistant Coach of the Rugby team.

Dr. Stone was born at Harvard, Nebraska, November 4, 1881. After graduating from the University of Nebraska, he received his Master's Degree from Alabama Polytechnic Institute and later took his Doctor's Degree at Cornell University.

Farm and Home Week

Farm and Home Week, held June 19 - 24, brought to the campus, from all parts of Ontario, more than 17,000 farmers and their families. The opportunity to meet members of the staff and study the work of the various departments is sincerely appreciated. One is impressed with the keen interest shown in the many projects under way and the demand for information. Much evidence is available to show that the time is used to good advantage and that the farm and home practices benefit in a very direct way from the information gained. Farm and Home Week is a demonstration of the extensive contacts made by the College with the farmers of the province.

RESEARCH AND SERVICE

In addition to the work of instruction in the regular and short courses, research, extension and service activities are carried on throughout the year by the various departments of the College. It is the constant endeavour of the College to be of help to the farmers in the solution of their problems. Some projects of interest are briefly summarized here.

The Utility Value of a Pig Brooder

A pig brooder capable of accommodating six sows and their litters, similar to one used with success in the Canadian West, is being tried for Ontario conditions. It is designed to be used in the production of winter-born litters.

Riboflavin

After prolonged investigation, a new method for measuring the riboflavin (vitamin B_2 or G) content of feedstuffs has been developed. The measurement of the variation in riboflavin content of many Canadian feeds will be undertaken as rapidly as possible.

Simplified Diets

In the endeavour to establish a simplified diet for chicks, it has been definitely shown that there is a decided difference in the nutritive requirements of males and females. There is apparently also a considerable difference in the requirements of different breeds.

Spraying Versus Dusting Potatoes

Eight years' experiments indicate that spraying and dusting are about equally effective in controlling fungous and insect pests and increasing yields, if thoroughly done with a high-power duster or sprayer.

Serological Analyses

During the past testing season, 230,256 samples of poultry blood were tested by the agglutination test for pullorum disease. This represents an increase of nearly 20,000 over the previous year.

Preserving Cream with Salt

Salt definitely inhibits oxidase positive bacteria responsible for offensive flavours. Cream preserved by the addition of 7 per cent salt and made into butter scored as high as butter made from normal cream, and in some instances higher.

The European Earwig

This imported insect made its first appearance in Ontario in 1938. Control measures tested in the village of Ayton, in Grey County, gave very gratifying results, demonstrating that this insect can be successfully combatted.

Turnip Aphid Controlled by Nicotine Dust

The turnip aphid, often called the mealy bug, and a real menace to turnip crops in several counties, was successfully controlled by means of either nicotine dust or soap solution.

Flour Testing

In the flour testing laboratory of Trent Institute, chemical analyses, milling tests and baking tests are made on wheat, flour and other baking ingredients.

Breeding Complete Rust Resistance into Oats

From crosses between the leaf rust resistant Erban oats and the stem rust resistant Vanguard an attempt is being made to secure types of oats possessing resistance to both types of rust and to smut.

Breeding Better Grasses and Clovers

Strains have been bred from material gathered in old pastures in Great Britain, Scandinavia and Russia, as well as in Canada and the United States of America. These strains of grasses and clovers are higher yielding, more leafy, disease resistant, winter hardy, and perennial than the common stemmy types now being grown.

Co-operative Testing of Cereal Varieties

The fact that there is no such thing as a best variety or strain for the whole Province of Ontario has received further support through co-operative tests. The real problem appears to be to find a variety or strain best suited to local conditions.

Poultry Disease Control Measures

The past season presented a major disease problem during the hatching and brooding period. Infectious bronchitis and infectious trachaeitis were extremely prevalent, and in some cases mortality was very high. Very effective preventive and control measures were developed which proved valuable in checking the outbreaks of infection and should help to prevent future outbreaks.

Easy to Make Farm Cheese

A hard cheese of the Gouda type, resembling the cheddar variety, is very suitable for manufacture on the farm. It requires a relatively short time to make and is ready for use in a few weeks. The methods are simple, and utensils found on the farm can be used.

An Efficient Wax Moth Fumigant

An inexpensive new fumigant, Methyl Bromide, has been discovered for the control of the wax moth. It satisfies all requirements, destroying both eggs and larvae.

Preventing Crystallization in Winter Feed of Bees

The addition of a small percentage of honey to sugar syrup, or *vice versa,* prevents crystallization for a period of at least four months.

Mineral Feeding of Cattle on Pastures

The rather low phosphorus content of certain soil types produces plants low in phosphorous, causing mineral deficiency in the cattle grazing on these pastures. Studies are being conducted on several important grazing areas to determine if the feeding of bone meal will prove beneficial.

Detecting Tampering with Milk

On request of the Milk Control Board of Ontario, the use of the Lactometer and the Babcock Fat Test for detecting tampering with composite samples of milk was studied. It was shown quite plainly that no reliance can be placed on the methods, as only the very grossest interference with the sample can be detected with certainty. Chemical analysis of the sample is necessary to establish the certainty of tampering, and the lactometer cannot even be used as a "sorting test."

COLLEGE FUNCTIONS

Baccalaureate Service

The annual Baccalaureate Service for the graduating classes of the Ontario Agricultural College, Macdonald Institute and the Ontario Veterinary College was held in War Memorial Hall on Sunday, April 2. Rev. Professor G. P. Gilmour of McMaster University, Hamilton, delivered the address.

Convocation Exercises for Students in Agriculture

On Tuesday, May 16, Sir William Mulock, Chancellor of the University of Toronto, conferred degrees on 104 members of the graduating class. Addresses were delivered by Hon. P. M. Dewan, Minister of Agriculture, and the Honourable and Reverend Dr. H. J. Cody, President of the University of Toronto.

Macdonald Institute Graduation

Graduation exercises for students in Macdonald Institute were held Friday, June 16, in War Memorial Hall, when diplomas were presented to 123 graduates by the President of the College. Addresses were given by the Hon. P. M. Dewan, Minister of Agriculture, and Dr. J. B. Reynolds.

Trent Institute Closing Exercises

Closing exercises for students of Trent Institute were held April 5. Dr. Christie presented diplomas to the eight students and Mr. H. E. Trent awarded the special prizes.

Canadian Author Lecture

On Friday, April 14, 1939, the Canadian Author Lecture was delivered in War Memorial Hall by His Excellency, Lord Tweedsmuir. Following the lecture, members of the faculty and their wives, a few of the leaders of the student groups and invited guests were presented to Their Excellencies in Community House. A feature of the luncheon, held in Creelman Hall, was the presentation by Lord Tweedsmuir of the Governor-General's Medal to Mr. Norman H. High (winner for 1938) and Miss Constance M. Davey (winner for 1939). The students of the Ontario Agricultural College made a presentation to Dr. O. J. Stevenson, retiring Head of the Department of English.

Alumni Reunion

The Annual Reunion for graduates of the Ontario Agricultural College and Macdonald Institute was held June 23, 24 and 25, when more than 1,500 people participated in the celebration of the sixty-fifth anniversary of the founding of the College.

Events honouring two former members of the Ontario Agricultural College faculty provided the highlights of the gathering. At a dinner in Creelman Hall, Professor H. H. Dean, for many years Head of the Department of Dairying, was tendered an illuminated address on the occasion of the fiftieth anniversary of the O.A.C. Review. Professor Dean was the first editor of the College publication.

In tribute to the memory of the late Professor W. J. Squirrell, former Head of the Department of Field Husbandry, graduates of Year '33 presented to the College a memorial plaque to be placed in the Field Husbandry Building.

The speaker at the luncheon was Dean H. Harold Hume of the College of Agriculture, University of Florida.

Canadian Author Lecture

On Monday evening, February 19, 1940, the Canadian Author Lecture was given by Mr. Frank D. McDowell, author of "The Champlain Road." Another important feature of the evening was the University of Toronto Symphony Orchestra.

The proceeds from this lecture were used to purchase a painting for Massey Library, "The Road to Maple Lake," by H. S. Palmer, O.S.A.

SCHOLARSHIPS AND GIFTS

Lieutenant-Governor's Medal

A silver medal has been donated by the Honourable Albert Matthews, LL.D., Lieutenant-Governor of Ontario, to be awarded to the student doing the most outstanding work in the Department of Animal Husbandry.

Year '39 — Macdonald Institute Infirmary Fund

Macdonald Institute graduating class of 1939 left a gift of $310.83 to be used for an Infirmary in connection with Macdonald Institute.

Gift of Organ to O.A.C.

During Convocation exercises, May 16, 1939, the College was presented with a Hammond Electric Organ by Years '36, '37, '38, '39 and the Students' Co-operative Association. The organ has been installed in War Memorial Hall in honour of Dr. O. J. Stevenson.

Perhaps no gift has met a greater need on the campus and is more appreciated by the students, faculty and many friends who attend the programmes held in War Memorial Hall.

Short Course Gift

Students attending the 1939 Winter Short Course contributed a sum of $108.28 to be used for the purchase of silver for the use of the College.

Gift from Professor Dan Jones

Professor Dan Jones, formerly Head of the Department of Bacteriology, gave to the College an oil painting of His Majesty, King George VI. The frame for the picture was a gift of the 1939 Short Course group. The painting, which is the work of Professor Jones, is now hanging in Creelman Hall.

ONTARIO VETERINARY COLLEGE

CONVOCATION

At the Convocation of the University of Toronto, held on May 12th, 1939, the Chancellor, The Rt. Hon. Sir William Mulock, P.C., K.C.M.G., M.A., LL.D., conferred the degree of Bachelor of Veterinary Science (B.V.Sc.) on sixty-five graduates. The Hon. P. M. Dewan, Minister of Agriculture, addressed the graduating class.

COMMENCEMENT

The Annual Commencement and Presentation of Prizes took place on November 22nd, 1939, in the Assembly Hall of the College. The Hon. P. M. Dewan, Minister of Agriculture, in his address to the students, emphasized the value of education in the development of self-control and good character. A. E. Cameron, V.S., M.C., Veterinary Director General, also spoke briefly on the importance of the veterinary profession in public service. The prizes won by students were presented by R. W. Gladstone, M.P. for South Wellington. He congratulated the prize winners and urged them to prove worthy of their awards and to be helpful to others.

STUDENT ENROLMENT

A total of 261 students were in attendance. As in former years, students were enrolled from all the Provinces of Canada. The requirements for entrance and graduation have been raised in order to regulate the attendance more effectively.

COURSES OF STUDY AND INSTRUCTION

The prescribed course of study for the degree of Bachelor of Veterinary Science (B.V.Sc.) extends over a period of five years. In the case of candidates submitting Pass Matriculation certificates, they may be admitted to the first year, while candidates submitting Honour Matriculation certificates, or who have completed one or more years in a recognized college or university may be admitted to the second year of the five-year course.

A detailed outline of the entrance requirements and the course of studies is contained in the college calendar, which is available to those interested. In addition to the regular undergraduate course outlined in the calendar, special short courses were provided as follows:

SPECIAL PUBLIC HEALTH COURSE

During the month of May an arrangement was made whereby the staff of the Department of Health provided a course in Public Health Work for graduate veterinarians. There were 65 in attendance and the subjects of instruction were as follows:

Public Health Administration.
Principles of Sanitation.
Communicable Diseases.
Food-Borne Infections.
Interpretation of Laboratory Findings.
Bacteriology of Enteric-Infections.
Human Parasitic Infections.
Inspection of Water Supplies.
Inspection of Sewage Disposal.
Inspection of Restaurants and Bottling Plants.
Industrial Hazards in Meat Packing Industry.
Ventilation and Fumigation.
Dairy Sanitation.

SPECIAL COURSE FOR FUR BREEDERS

During the month of June a course was provided for those engaged in the rearing of fur-bearing animals. About 110 fur breeders attended. The course was arranged in co-operation with the Ontario Fur Breeders' Association and comprised lectures and demonstrations on the following subjects:

Mink Mating and Its Preparation.
Mink Raising Problems.
Problems in Making Good Pelts.
Mink Pelts Demonstration.
Research Work With Fur Animals.
Food Poisoning Investigations.
Projects at Government Illustration Stations.
Principles of Fox Breeding.
Fox Raising Problems.
Controlling Disease in Fur-Bearing Animals.

SPECIAL COURSE FOR VETERINARIANS

During the month of July a special course for graduate veterinarians was provided in co-operation with the Ontario Veterinary Association. There were approximately 125 in attendance and the programme comprised the following topics:

Chemical Tests for Urinalysis.
Encephalomyelitis of Horses.
Plans for the Control of Bang's Disease.
Treatment and Control of Parasitic Diseases.
Modern Methods Employed in the Sanitary Control of Dairy Products.
Enteritis of Cats.
Kennel Management and the Control of Distemper.
Diseases of Swine.
Regional Anatomy for Intravenous Medication.
The Relationship of Faulty Nutrition to Disease.

During the months of December and January a series of lectures and demonstrations were given to students attending the Farmers' Short Course and Dairy Course at the Ontario Agricultural College. The course embraced the following topics:

Prevention and Control of Animal Insect Pests.
Mineral Deficiencies Affecting Farm Animals.
Preventable Diseases of Horses and Cattle.
Preventable Diseases of Sheep and Swine.
Care and Management of Breeding Animals.
Care and Management of the Young at Birth.
Cleaning and Disinfection of Stables.
Examination of Horses for Soundness.

RESEARCH AND INVESTIGATION

During the year, considerable time was devoted to research and investigational work. Some of the diseases receiving attention are briefly summarized herewith and detailed reports relating thereto are appended separately.

Malignant Equine Influenza: Two outbreaks of influenza affecting horses were found to be of unusual interest on account of their malignant character. A report of these is appended.

Isolation of the Virus of Equine Encephalomyelitis by Blood Culture: A report is submitted describing a method for the isolation of the Eastern strain of encephalomyelitis virus. The chief advantages of the method are that the virus may be isolated during the course of the disease, hence the isolation and diagnosis may be made much earlier than when post-mortem methods are employed.

Fatalities Among Piglets Due to Overdoses of Iron: Quite frequently losses have been reported among suckling pigs following the administration of reduced iron as a preventive against anemia. In all of the cases investigated, the amount of iron had been far in excess of the prescribed dose. Experiments made indicate that even a fairly large dose of reduced iron does not have a fatal effect upon perfectly healthy pigs. However, pigs with poor resistance or which have a sub-clinical infection may succumb rapidly to an overdose.

Prevailing Diseases of Swine: During the year, more especially throughout the fall and winter months, diseases of swine were particularly stressed. The diseases which most frequently came under observation were hog cholera, swine erysipelas, necrotic enteritis, and swine plague. A report is submitted dealing with some of the important aspects of swine diseases.

Experimental Hemorrhagic Septicemia in Swine: A large number of experiments have been undertaken to produce typical hemorrhagic septicemia infection in swine. These experiments indicate that it is extremely difficult to reproduce in healthy swine a disease comparable to the natural infection with hemorrhagic septicemia. The results are described in an appended report.

Fatal Anaphylaxis Following the Use of Anti-Hemorrhagic Septicemia Bacterin: Two occurrences of severe fatal anaphylaxis are described involving the loss of several animals. Attention is drawn to the seriousness of such unfortunate consequences during immunization and the necessity for guarding against anaphylactic shock is emphasized.

Stiff Lamb Disease and Aphosphorosis: An outbreak of disease among lambs is reported which responded to the administration of large doses of phosphoric acid. The resemblance between stiff lamb disease and acute phosphorus deficiency is noted.

CLINICAL AND EXTENSION SERVICE

This service has been developed to meet the needs of veterinarians and owners requiring assistance. The nature and extent of the services rendered are briefly summarized as follows:

Animal Clinics: Clinics are held each week throughout the College session to which animals of all classes may be brought for observation. All animals are carefully examined and medical treatment is prescribed and surgical operations performed as may appear desirable. The greater part of the clinical service is furnished during the session when the students are in attendance. Several case reports are appended to illustrate the scope of this useful work.

Horses: The majority of these were surgical cases, of which 175 were successfully treated. Approximately 100 visits were made to extend treatment to horses at the Ontario Agricultural College. In addition, 62 horses were vaccinated against virus encephalomyelitis.

Cattle: Many of the cattle cases represented herd conditions. Among the diseases predominating being Bang's disease, sterility, mastitis, calf scours, calf pneumonia, Johne's disease, actinomycosis and hemorrhagic septicemia.

In co-operation with the various live stock breeders' associations, definite plans have been arranged for the control of Bang's disease on an experimental basis, as follows:

1. By testing individual herds and segregating or removing the reactors.

2. By testing herds in prescribed areas and removing all reactors.

3. By the adoption of calfhood vaccination in badly affected herds.

A total of 25,519 cattle were tested under these plans and the results are contained in a separate report.

Swine: There has been a marked increase in the number of swine cases. These comprised surgical cases and many diseases affecting litters and herds. Among the diseases predominating were anemia of young pigs, gastro-enteritis, pneumonia, parasitism, nutritional deficiencies, hemorrhagic septicemia, swine erysipelas, necrotic enteritis and hog cholera.

Sheep: The majority of these cases represented flock maladies and comprised parasitism, hemorrhagic septicemia, goitre, nutritional imbalances, pregnancy and lambing troubles.

Small Animals: Over 200 dogs and cats were submitted to the clinic for examination and treatment. While the majority were surgical cases, there were also a large number of disease conditions treated, including mange, eczema, distemper, chorea, gastritis, and dietary conditions.

Fur-bearing Animals: The diseases and general welfare problems of fur-bearing animals on ranches were given all possible consideration. Considerable investigational work was undertaken relating to losses occurring on mink ranches in York and Perth Counties. The disease proved to be distemper. The experimental use of hyperimmune serum and tissue vaccine as agents in the control of distemper was tried in both mink and ferrets but they appeared to be of doubtful value. Diagnostic work was also undertaken in the examination of specimens sent in for laboratory examination. The material submitted included food substances and fecal matter from fur-bearing animals. The laboratory work also included autopsies on 142 animals as shown in the following outline:

Nature of Case	Fox	Mink	Rabbit	Total
Parasitism	3	9	2	14
Pneumonia	4	21		25
Food Toxemia	4	32		36
Peritonitis		4		4
Uraemia		13		13
Distemper		20		20
Metritis		2		2
Nutritional Anemia		10		10
Streptococcus Infection		4		4
Dermatitis	1			1
Goitre	2			2
Vitaminosis	2			2
Acute Gastritis	2	1		3
Encaphalitis	1			1
Intestional Block		1	1	2
Acute Enteritis		1		1
Haemorrhage		2		2
Total	19	120	3	142

A further service was rendered by the preparation and distribution of the following circulars to those interested in fur-bearing animals:

Pneumonia in Mink.
Distemper in Mink.
Streptococcus Infection in Mink.
Mink Breeding.
Acidosis in Mink.
The Magot Fly.
Nursing Mothers and Young Mink.
Coccidiosis in Mink.
The Raccoon.
The Care and Management of Rabbits.
Diseases of Rabbits.
Urinary Calculi in Fur Bearers.
Guinea Pig Breeding.
Chinchilla Breeding (chinchilla lanigera).

BIOLOGICAL LABORATORY SERVICE

Preparation of Antigen: Ninety-six thousand six hundred test doses of S. pullorum antigen, and positive and negative control sera, were prepared and supplied to registered veterinarians for the agglutination test of *S. pullorum* infection. Seventeen thousand test doses of *Br. abortus* antigen were distributed to veterinarians for the agglutination test for Infectious Abortion of cattle (Bang's disease).

Agglutination Tests: During the year, 25,519 blood samples were submitted to the agglutination test for Bang's disease. Included in this number are 3,153 from cattle intended for export or exhibition purposes, and 3,933 from cattle in herds under Ontario Veterinary College supervision.

The results of these tests are as indicated in the following table:

Number of Samples tested		25,519
" " " positive	3,802	
" " " doubtful	1,487	
" " " negative	19,899	
" " " unfit for testing	331	

ROUTINE EXAMINATIONS OF MILK AND CREAM SUPPLIES

Routine tests were made on 240 samples of milk and cream submitted to the laboratory from time to time. These tests included fat determinations, agar plate counts, coliform tests, methylene blue and resazurin reductase tests and phosphatese tests.

PATHOLOGICAL AND BACTERIOLOGICAL EXAMINATIONS

During the current year 863 specimens were received for laboratory examination, as indicated in the following table:

Nature of Case	Cattle	Sheep	Horses	Swine	Dogs	Cats	Rabbits	Birds	Goats	Fox	Mink	Water	Feed Samples	Meat	Totals
Parasitic Infestation		3	1												4
Coccidiosis	3														3
Neoplasms	1	2	4		33										40
Pasteurella Infection	4	10	1	68					2						85
Brucella Infection	12														12
Necrophorus Infection	1	1		3											5
Salmonella Infection				9				3		1	4				17
Streptococcic Infection			1	11											12
Influenza			8	16											24
Pneumonia	4	5		70		4		1		1	4				89
Distemper					3						25				28
Blackleg	5	1													6
Dermatitis				4											4
Erysipelas				20											20
Colon Septicemia				18											18
Hog Cholera				10											10
Scours of Newborn	8														8
Joint-Ill (Foals)			17	1											18
Abscess	3									3					6
Pyemia, Septicemia			4		4				1						9
Metritis	3				2										5
Mastitis	16			3											19
Hepatitis	2				1										3
Pericarditis	2			20											22
Gastritis and Enteritis	4		8	32		11									55
Kidney Diseases	6										1				7
Tuberculosis	1		1		1										3
Johne's Disease	4														4
Actinomycosis, Actinobacillosis	7														7
Food Poisoning, Botulism	10		2												12
Encephalomyelitis (Suspect)			10												10
Swamp Fever (Suspect)			4												4
Hodgkin's Disease						1									1
Deficiency Diseases	2			4		1									7
Stiff Lamb Disease		6													6
Blood Examination, Anemia, Etc.	48		34	30											112
Haemoglobinuria	10														10
Urine Tests	9		2												11
Seminal Fluid	1	1													2
Pregnancy Tests			64												64
Chemical Poisoning	3				1	2	3								9
Milk Samples	20														20
Miscellaneous	10	2	4	9	13	2	3					4	4	1	52
Totals	199	31	165	328	58	21	6	4	3	5	34	4	4	1	863

POULTRY LABORATORY SERVICE

This consists chiefly in the routine examination of diseased poultry sent or brought to the Laboratory. No serious outbreaks of disease were encountered, but the incidence of coccidiosis, pullorum disease of chicks and nutritional ailments remains at about the same level. In a great many instances these conditions could have been prevented if proper control measures had been employed.

Advice is always given as to the handling of the flock to prevent the spread of infectious diseases.

The number of specimens received during the past year is greater than that of the previous year and the diseases dealt with are shown in the following list:

Nature of Case	Number of Cases
Adult Pullorum Infection	130
Ascites	21
Avian Diphtheria	3
Cloacitis	2
Coccidiosis	388
Coryza and Roup	41
Enteritis	27
Enterohepatitis	74
Fowl Cholera	40
Laryngotracheitis	30
Leucosis	100
Pullorum Disease of Chicks	568
Tuberculosis	33
Other Infections	74
Egg Bound	4
Internal Laying	23
Impaction	13
Injuries	12
Nutritional Disorders	490
Poisoning	4
Prolapse	13
Ruptured Liver	22
Ruptured Oviduct	3
Tumours	69
Worm Infestation (Ascaridia)	66
“ “ *(Capillaria)*	40
“ “ *(Large Tapeworms)*	46
“ “ *(Minute Tapeworms)*	149
“ “ *(Ascaridia and Tapeworms)*	52
No Evidence of Disease or Putrid	120
Total	2,657

Throughout the year an immense volume of correspondence has received attention, as well as daily personal interviews with those seeking advice. The demand for veterinary services, including research and extension work, has noticeably increased.

The entire Staff has been busily engaged and have performed their duties faithfully. A high standard of efficiency has been maintained throughout, and all expenditures have been carefully supervised and kept at a minimum cost to the Province.

KEMPTVILLE AGRICULTURAL SCHOOL

The Kemptville Agricultural School enjoyed a successful year, judging by the interest of rural Eastern Ontario visitors to the School and requests for assistance along the lines of Animal and Field Husbandry, Horticulture, Poultry, Home Beautification, Soil Testing, Dairying and Home Economics. During the year 26 agricultural groups visited the School.

The new Dairy Building assisted in correcting the crowded condition of the classrooms and provides up-to-date equipment for the Butter and Cheese Courses, and laboratory space for Dairy Research.

The attendance in the different courses was as follows:

Agricultural Senior Year (Two-Year Course)	24
" Junior Year (Two-Year Course)	18
" Short Course	53
Public and Separate School Teachers' Summer Course	178
Home Economics:	
Homemakers' Course (One Year)	13
Home Economics (Two-Year Course)	8
Cheese and Buttermakers' Course	37
Total	331

An Extension Service was maintained and considerable assistance given to the Agricultural Representatives, Women's Institutes, and Agricultural, Fruit and Vegetable, Dairying and Home Beautification groups.

A Field Service in Soil Testing, Drainage, Poultry Diseases, Field Husbandry, Livestock, Orcharding, Home Beautification and Cheese and Buttermaking was also maintained. More requests were received than could be accommodated. Each student was visited at his home and advice given on the planting of the farm grounds and lawns.

The K. A. S. Royal Show showed a continued improvement over past years. Special mention should be made of the exhibits in Agricultural Engineering, Livestock Showmanship, Field Husbandry and Educational Displays.

The Kemptville Agricultural School wishes to acknowledge the assistance and co-operation given to the School by the Agricultural Representatives Branch, Dominion Experimental Farm Services, Ontario Women's Institute Branch, Ontario Livestock Branch, Dominion Health of Animals Branch, Dominion Economics Branch, Dairy and Cold Storage Branch (Ottawa), Ontario Field Crops and Weeds Branch, Dominion Production Services, and the Agricultural and Weekly and Daily Press.

Scholarships were donated to the students by Ottawa Farm Journal; Geo. T. Fulford, M.P., Brockville; Rt. Hon. Geo. P. Graham, Brockville; W. B. Reynolds, M.L.A., Brockville; J. I. Robinson, Vice-President, Crane Ltd., Montreal; Rotary Club of Prescott; Ottawa Kiwanis Club; Renfrew Junior Farmers; Leeds-Grenville County Council; W. B. George, B.S.A., Kemptville; Stormont Ayrshire Breeders' Association; Glengarry Holstein Club; Lanark Junior Farmers; Glengarry Junior Farmers; Carleton Boys' Clubs; Montreal Provisions Trades Association of the Montreal Board of Trade.

HOME ECONOMICS DIVISION

Eight students were in the Senior Year in Home Economics and 13 girls in the Junior and Homemaker Classes. During the year several graduates found interesting employment. There is an increasing demand for girls with training to fill positions in the tourist business.

The Clothing Laboratory has been brought up-to-date with efficient cutting tables and modern type lighting fixtures. A plan for renovating the Foods Laboratory has been commenced with the installation of two unit kitchens.

The curriculum of the Department has been adjusted to meet the war-time circumstances, with stress placed on healthful living and efficient expenditure of money. The students have been taught knitting and war-time sewing, and have made a contribution to war work.

The Clothing Laboratory has been available to local women for Red Cross sewing.

The Staff conducted lectures in the Home Economics field, supervised the students' residence and in addition have taken part in rural women's activities. The meetings attended were District and Area Conventions of the Women's Institutes and local Institute Branches and Clubs. Meetings attended during the year were 47, with a total attendance of 2,400.

DIVISION OF ANIMAL AND FIELD HUSBANDRY

Pure Bred Livestock

The purchase of the young Ayrshire herd sire, Pine View Ferdinand (221307), was the outstanding addition made to the livestock during the year. The Ayrshire herd was further strengthened by securing two "typey" young cows.

The Holstein Herd continues to show steady improvement in type and production. During the year 8 mature cows were entered for Selective Registration and graded 4 Gold Medal and 4 Excellent.

All milking females of Holstein, Ayrshire and Jersey breeding are entered in R.O.P. and during the year 16 cows and heifers qualified.

The Pure Bred Yorkshire Herd made a very satisfactory showing during the year. The demand for Pure Bred breeding stock was particularly keen and during the year *47* sows and *32* boars were sold.

Commercial Livestock

During October nineteen head of grade beef heifers were purchased, with a three-fold purpose in mind:

1. To provide satisfactory breeding and market classes for judging purposes with the regular students; a limited number to be used for slaughtering.
2. To demonstrate proper methods of handling and showing, as well as caring for and feeding beef cattle.
3. To provide a means of marketing surplus hay and ensilage grown on the School farm.

The lot consisted of 6 Aberdeen Angus, 6 Hereford and 7 Shorthorns, and during the winter months they were periodically weighed and a check made on their gains.

Following is a summary of the crops produced:

Alfalfa and Mixed Hay	215 tons
Erban Oats	1,330 bushels
Alaska Oats	800 bushels
O.A.C. No. 21 Barley	310 bushels
Coronation Spring Wheat	25 bushels
Dawson's Golden Chaff Fall Wheat	33 bushels
Mixed Grain	3,000 lbs.
Ensilage Corn	268 loads
Irish Cobbler Potatoes	860 bushels
Mangels	105 tons
Turnips	22 tons
White Carrots	2 tons

SEED CLEANING PLANT

Small Seeds

Sweet Clover	63,031 lbs.
Alfalfa	53,533 lbs.
Timothy	25,384 lbs.
Red Clover	14,866 lbs.
Mixed Clover and Grass Seeds	6,523 lbs.

Grains

Oats	80,993 lbs.	(2,382 bus.)
Barley	23,527 lbs.	(490 bus.)
Wheat	8.352 lbs.	(139 bus.)
Flax	8,741 lbs.	(156 bus.)
Beans	9,137 lbs.	(152 bus.)
Millett	6,200 lbs.	(124 bus.)
Peas	1,212 lbs.	(20 bus.)
Buckwheat	598 lbs.	(12 bus.)
Rye	380 lbs.	(6 bus.)

Number of farmers using Plant — 250.
Approximate receipts — $885.75.

Lecture Course

During the year this Division gave a course of lectures to the regular students, Short Courses and Summer School, in Animal and Field Husbandry, and attended 17 Field Days, 53 meetings and judged at 15 Fairs.

DIVISION OF CHEMISTRY, SOILS AND FERTILIZERS

In 1939 a beginning was made at Merrickville in conducting a Permanent Fertility Experiment which will be continued throughout an entire crop rotation. Two additional locations at Bainsville and Jellyby were selected to commence in 1940.

In co-operation with the Cereal Division of the Central Experimental Farm, 12 testing plots were laid out in Eastern Ontario from Hastings County east. At 7 of these locations fertility tests were conducted, using 3 fertility treatments on 2 varieties of oats and 3 varieties of barley.

Demonstrational plots were laid out and supervised with results taken and the residual effect of fertilizers recorded from selected farms throughout Eastern Ontario. This work was carried out on Cereals, Corn, Potatoes, Turnips and Pasture.

Soil Testing Service was given to all who forwarded samples—with over 800 samples tested, and recommendations made on results obtained. This service is increasing. Several farmers are returning for an annual test.

During the year 8 Short Courses were addressed, with an attendance of 247, and 13 Field and other meetings with an attendance of 1,480.

DIVISION OF AGRICULTURAL ENGINEERING AND DRAINAGE

This Division acted as Drainage supervisor in Eastern Ontario, working under the direction of the Drainage Department, Ontario Agricultural College, Guelph, Ont. During the year 68 visits were made, of which 34 were advisory, 2 inspections totalling 30,245 ft. of drains and 32 preliminary surveys for which 70,837 ft. of profile were made. In addition, 150 acres were systematically surveyed, thereby laying out 91,102 ft. of drains.

A successful Drainage Demonstration was held during the Provincial Plowing Match at Brockville and in Glengary County. The Tile Drainage Act is being used to a greater extent by farmers in Eastern Ontario.

During the year equipment was added to this Division, which included miscellaneous tools to make more complete the equipment for woodworking and mechanics. The Massey-Harris Co. replaced their No. 101 Senior Twin Power Tractor with No. 101 Junior Twin Power Tractor. The Ford Motor Co. placed with this division their Ford-Ferguson tractor with plow attached for class purposes.

Explosives Demonstration, October 1939

Through the co-operation of the Canadian Industries Limited, instruction and practice was given to the Senior Class in the handling of explosives and their use in blowing out stumps and breaking stones.

Tractor Demonstrations

Expert mechanics from the Massey-Harris Company and the Ford Tractor Company demonstrated their tractors to the Senior Students.

During the year 12 meetings were attended.

POULTRY DIVISION

The usual lectures were carried on with the regular students in Agriculture, the Short Course and the Teachers' Summer School. During the year considerable extension work was carried on: Farmers' Meetings attended, 15; Short Courses, 9; Boys' and Girls' Poultry Club visits, 14; School Fairs judged, 7; Fall Fairs judged, 2; Farm visits re disease, etc., 102. Total attendance at meetings, 2,475 people.

Some further work is being carried on toward improving the Poultry Plant.

The new Course of Lectures and practical work in Farm Meats proved very interesting to the students, and this work is handicapped by lack of facilities and equipment.

DIVISION OF HORTICULTURE

During the course of the School year, lectures and related laboratory work were given to the students in Agriculture, in Horticulture, Botany, Plant Pathology, Entomology and Genetics, and selected work to students in Household Science and Short Courses.

During the early spring and again during the late summer months, visits were made to the farm homes of students in Agriculture then registered at the School. The first visit was made to discuss with student and parents the possibility of improving and in some cases re-arranging the farm home surroundings. The second visit was made with the object of noting the progress that had been made, and possible difficulties that may have arisen. These visits seemed to meet with marked appreciation, interest and co-operation.

The "hardy" or "double-worked" orchard, started three years ago, was added to with further new stock given by the Division of Horticulture of the Central Experimental Farm, Ottawa. The trees first planted are now being "worked over" to some of the varieties particularly recommended for Eastern Ontario conditions.

A considerable number of herbaceous perennials were distributed to rural schools.

Illustrated lectures were given to a number of organizations, Horticultural Societies and Clubs on a variety of subjects, as well as several practical demonstrations.

Further assistance was given to a number of orchardists and vegetable growers in dealing with sprays or other suitable means of control for certain outbreaks of diseases or injurious insects.

A word of thanks for donations of material, in the form of trees, shrubs and seed for trial purposes, mentioning particularly the Horticultural Division at Ottawa, who have enabled us to grow a fairly representative selection of new varieties of apples, strawberries and pears.

DIVISION OF DAIRYING

The 46th Dairy Course had a full attendance of 37. Six late applications to take the course had to be refused owing to lack of accommodation. The new Dairy Building, which will be completed for the next term, will provide room for all applicants. Thirteen Counties were represented: Addington 1, Carleton 3, Dundas 1, Frontenac 3, Glengarry 7, Grenville 2, Hastings 5, Lanark 5, Leeds 2, Lennox 2, Prescott 1, Russell 2, Stormont 3.

During the Course seven special dairy lectures were given by members of the Federal and Provincial Dairy Branches with instruction on butter and cheese grading by the Federal Grading Staff. About 40 visitors attended these lectures.

Two changes were made on the Dairy Staff, D. Connell, Instructor in Cheesemaking, and G. Pollard, Instructor in Milk and Cream Testing, succeeding J. F. Robinson and H. B. Sandwith respectively, who received promotions to other positions.

The Montreal Provision Trades Association, Branch of the Montreal Board of Trade, again donated $100 to be distributed in prizes as an encouragement to the students and recognition of the valuable work carried on by the School.

Cheesemakers Short Courses were attended at Selby (near Napanee) and Casselman during the month of April.

During the summer the general plans for the new Dairy Building were completed.

Work as required by the Dairy Branch was carried out during the spring, summer and autumn. This included visits to 52 cheese factories, addresses at 17 Buttermakers' and Cheesemakers' Clubs and other meetings.

HORTICULTURAL EXPERIMENT STATION
VINELAND

RESEARCH PROJECTS

A Study of the Extent to which Apple Orchard Cultivation may Economically be Reduced: In the Report of the Minister of Agriculture for the year ending March 31, 1939, a chart is given to show the yields of five apple varieties in an experiment comparing cultivation until May 15 with cultivation until July 15, followed in each case by seeding to a green manure crop. In the fall of 1939 it was necessary to remove the remainder of the two filler varieties, Duchess and Wealthy. The following chart (Fig. 1) shows the size, as measured by area of cross section of trunk, and yield per tree in pounds, for these two varieties. The numbers of trees of Duchess and Wealthy represented in the chart are the same—Regular Cultivation, 12; Regular Cultivation plus manure, 3; Minimum Cultivation, 12; Minimum Cultivation plus manure, 3. (A slight difference will be noted in the 1929-35 yield between the two charts. In the 1938-39 report all trees were included. Here only those remaining until the fall of 1939 are used.)

Apart from the differences due to cultivation, the natural differences between the two varieties are of interest. Wealthy is the much larger tree as gauged by area of trunk cross section but Duchess has produced more fruit. The extra yield and growth response of Duchess where manure was applied may be due to this plot being naturally poorer at the beginning.

With Duchess yield responses from manure have been quite striking. Heavy applications of commercial fertilizer had been given this orchard without any appreciable results. In the fall of 1935 a heavy application of manure (20 tons per acre) was given to plots 2, 3, 6 and 7. During 1936 there was little evidence of a growth response. For this reason the same application was repeated in the fall of 1936. During 1936 the growth response was quite pronounced in the green manure crops and was reflected to some extent by the appearance of the trees in the autumn. Realizing, therefore, that the soil was poor, another application of 20 tons per acre was given to these plots in the fall of 1937 and 30 tons per acre to the remainder of the orchard. In the fall of 1938 the whole orchard was given another 20 tons of manure per acre. Thus the manure plots, beginning with the fall of 1935, have received 80 tons of manure per acre, while the other plots, beginning with the fall of 1937, have received 50 tons of manure per acre. Judging from results from earlier applications, there would probably be little effect up to 1940 from the 50-ton application to plots 1, 4, 5 and 8. Manure has increased the growth of these trees more than their yields but, as the former result comes first, yield differences would undoubtedly have followed had it been possible to leave these trees in the orchard.

In this chart the yields for the regular cultivation plots (July 15) are shown to be very definitely ahead of those receiving minimum cultivation except for the Duchess plus manure plot. The differences between treatments at the end of 1938 were not so striking. For Duchess the yields were almost the same. The change in result is brought about by the presence of a partial biennial bearing habit, the "on year" differing under cultural treatments. For the standard varieties, when records for a sufficient number of years have been accumulated, this difference should iron itself out pretty well. With these filler trees, however, their removal renders it impossible to gather further data, making necessary the acceptance of the figures as they are. We are, however, pointing out that the relative differences in yields have fluctuated between years. With this in mind, one should probably estimate the real differences in yields between plots as about somewhere between those shown in Fig. 1. When one considers the extra cost of production (approximately two months extra cultivation) and the reduction of fruit colour and finish this extra yield would seem to be of doubtful economic gain.

The response from the application of manure would seem to indicate that manure could well be substituted for cultivation in many orchards of low fertility. The use of manure has not only increased yields but the soil improvement itself is appreciable. Cost of manure has deterred many growers from using it but if a goodly proportion of its cost could be charged against the cultivation which is regularly done the net cost would be much less.

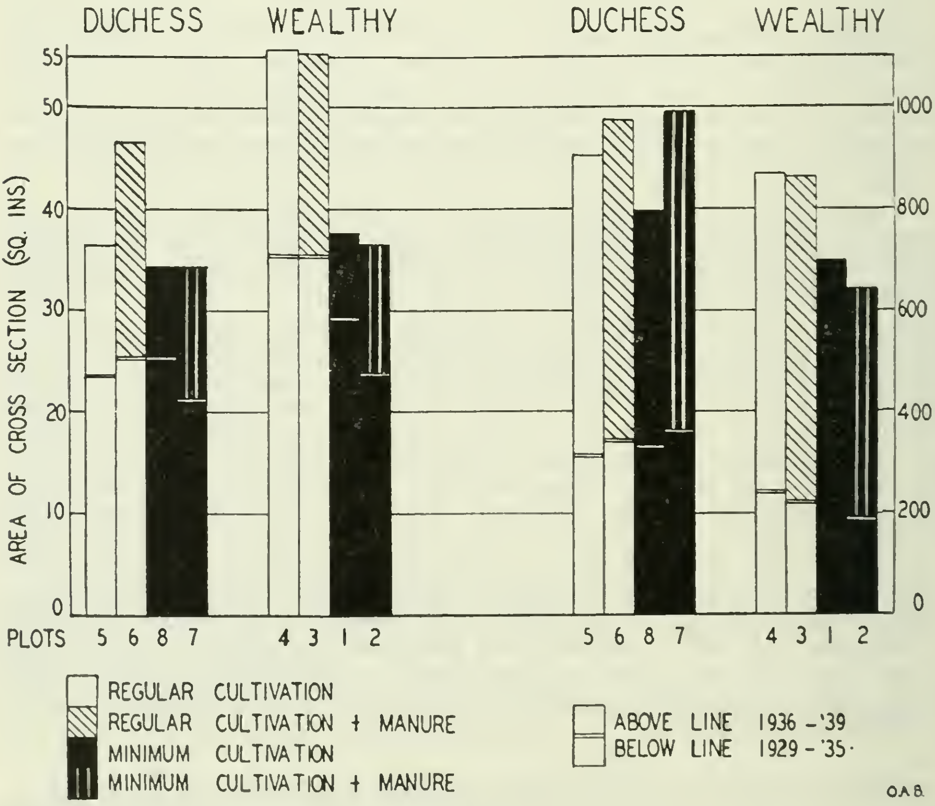

FIGURE 1

Average area of cross section of trunk and yield of Duchess and Wealthy Apples under minimum and regular cultivation treatments with and without barnyard manure.

FRUIT BREEDING

The fruit breeding programme was dealt with in some detail in the report of the Station for the year ending March 31, 1938. The present report deals simply and briefly with the value of certain Station seedlings for quick freezing purposes.

Quick Freezing Tests. The present importance of fruits which are satisfactory for preservation by quick freezing methods, together with the fact that most known varieties are not particularly suited to this purpose, led to a systematic freezing test of all of the seedlings and named varieties of fruits produced at this Station. This was a co-operative enterprise with the Department of Horticulture of the Ontario Agricultural College.

Special attention was given to peaches, strawberries and sweet cherries because there was a special need for good freezing varieties among these fruits both here and in the United States. The result has been the discovery of one particularly satisfactory seedling in each of these fruits and several other varieties which may be classed as reasonably satisfactory for freezing purposes. The seedling strawberry has been named "Vanrouge," and the cherry is called "Velvet." The peach will receive a name this season. All three varieties when frozen have been examined in the United States in competition with available varieties there and there is now no question of their importance in the already large and rapidly expanding industry of quick frozen fruits.

The breeding program with these fruits was not designed to include the establishment of good varieties for freezing but the result of this program to date has been the production of an exceptionally large number of varieties suitable for freezing. This fact has attracted considerable attention and deserves further analysis.

VEGETABLE BREEDING

Asparagus: Selected Mary Washington plants, whose progenies have given the best yields in trial plots, have been divided and re-planted in order to secure an increased supply of seed of these improved strains for distribution and further progeny tests.

Early Cabbage: An early uniform strain of Golden Acre was selfed and seed from one plant is being grown for trial in commercial lots.

Early Tomatoes: Selection work is being continued on the early staking variety Harkness which was developed from an Experiment Station cross. Registered seed of this variety is now available in commercial quantities.

Italian Tomatoes: In addition to the selected hybrids of Italian strains, all of which have well flavoured, medium size, quite firm fruits, several new hybrids were obtained from Jan Ru crossed with large fruited varieties such as Ponderosa, Oxheart, etc. These hybrids which are now in the second generation are expected to produce types desirable for canning for the British market.

Sweet Corn: Considerable progress has been made in sweet corn breeding. Numerous inbred lines have been carried on which eventually will be used for making new crosses.

Seed of seven of our new early hybrids has been produced so that they can be given a second test at this Station but none of this will be available for distribution. If any of these appear to be of real value for commercial growers, seed will be produced in large enough quantities that a more extensive test may be made.

Over thirty pounds of seed of the three most promising Vineland Golden Bantam hybrids has been supplied this year to the Canadian Seed Growers' Association, who will distribute it for a semi-commercial test. One farmer near St. Catharines is producing seed of one of these hybrids (No. 3261) for sale to growers. Also some of the Junior Farmers of Lincoln County are using this hybrid for the production of sweet corn for market and it has been given a very favourable reception by the trade.

Elite or Foundation Stock Seed of the following vegetable varieties is being produced and maintained: Prizetaker onion, Bender's Surprise melon, Hamilton Market and Windsor peppers, Hescrow cucumber, Golden Acre cabbage and Harkness, Bonny Best, Rutgers and Marglobe tomatoes.

VEGETABLE VARIETY AND STRAIN TESTS

Asparagus: The selected strains continue to outyield the commercial seed lots. The difference in favour of larger plants which had been started in the greenhouse and transplanted to the nursery rows has disappeared after three years yield records. This indicates that it is the strain or variety rather than the comparative size of the young plants that should receive first attention when starting an asparagus bed.

Tomatoes: Many strains and varieties of tomatoes are being tested, both for the early staked crop and the later or canning crop. The Harkness is the most popular variety for staking and Chalk's Jewel or Bonny Best for the canning trade. The Rutgers gave much the best yield and held its foliage much longer than did the Bonny Best strains.

Sweet Corn: The usual testing of varieties and hybrids has been carried on and this is becoming more and more necessary as new ones are being offered by the seed houses from year to year.

Now that the value of hybrid corn is being realized by commercial growers there appears to be some danger that the use of hybrid corn will be exploited. It will be well for growers to investigate carefully before paying the higher prices demanded for this type of corn and to remember that hybrid corn is not necessarily better than ordinary corn just because it is *hybrid*. There are poor hybrids as well as good. The former are no good at any price, while the latter may easily be worth double the price of the ordinary run of varieties.

Standard and new varieties of various vegetable crops were grown and observed as to their value for production in Ontario. A few of the outstanding new varieties are as follows: Imperial 44 lettuce, Masterpiece celery, Windsor pepper, Plentiful green bean, Straight Eight cucumber, New Hampshire eggplant, Delicious and Buttercup squash. A good crop of Pole Lima beans was harvested, Carpenteria being one of the best varieties for freezing as well as for yield. The King of the Garden variety gave a good yield but lacked the green color desired.

EXTENSION

Orchard Fertility Studies: Orchard fertility surveys were inaugurated in 1936 and to date the following areas have been surveyed: 1936, Niagara Peninsula; 1937, Elgin, Kent and Essex Counties; 1938, Lake Huron Area (Lambton County); 1939, Burlington-Dixie Area.

During 1939 the fruit-growing areas from Burlington to Dixie and as far north as Milton were surveyed. Data on the type of orchard management, use of fertilizer and cover crops, and the fertility level of the soils were obtained. The area surveyed in 1939 showed rather low nitrate levels as compared with Lambton County area samples the year previous. Practically all the orchards sampled showed phosphate levels medium or higher, while approximately 70% of the orchards showed medium to high potash levels. Calcium levels were good in all orchards sampled. In general, sod orchards showed less nitrates than cultivated orchards but the minerals were about the same.

Seventy-five orchards were sampled in the 1939 survey. Types of orchard management were divided as follows: Sod, 25.7%; Clean Cultivation, 70.3%; Sod Strip, 4.0%. The types of cover crops used were: Weeds, 28.6%; Rye, 39.4%; Buckwheat, 31.7%, and Oats, 5.3%. Sixty-five vegetable soils were also included in this survey. These showed consistently higher levels than the fruit soils, the nitrates being particularly high.

A summary of all the surveys 1936-1939, inclusive, shows that about two-thirds of the farmers are using commercial fertilizers to supplement applications of manure or other crop refuse, whereas the remaining third never use commercial fertilizers. Nearly all the fruit and vegetable men use barnyard manure in varying amounts and a small percentage are supplementing this with crop refuse such as old hay and straw.

Soil Analysis: A total of 427 soil samples from district farmers were analyzed and reports sent out during the past year. For Project 271, "A Study of the Extent to Which Apple Orchard Cultivation may be Economically Reduced," 624 moisture samples were taken and 224 Nitrate Nitrogen determinations were made. For Project No. 361, "Soil Organic Matter Studies," 218 Nitrate Nitrogen determinations were made. 1,168 soil samples were tested in connection with the orchard fertility survey made in the Burlington-Dixie area.

Nursery Inspection for Varietal Mixtures: Over 1,200,000 salable nursery fruit trees were examined for varietal mixtures in the summer of 1939. This is by far the largest number examined in any one of the last 15 years. The trees incorrectly named, slightly over 12,000 in number, or 1% of the total, were either broken down or labelled correctly.

Spray Service: A total of 1,323 growers in the Niagara Peninsula received the Spray Service circulars, 15 of these being mailed to each grower during the spraying season.

Meetings: During the year members of the staff gave addresses at 48 meetings, at which there was a total attendance of 3,209 persons.

WESTERN ONTARIO EXPERIMENTAL FARM, RIDGETOWN

The season of 1939 was a peculiar one for crop production in Southwestern Ontario. Sufficient rainfall for the crops in some districts produced good yields, while in other districts it was very dry. The rainfall at Ridgetown during the year was a little above the average but the months of May, September and November were much below average insofar as precipitation was concerned.

	Precipitation, 1939	*Average 10 Years*
January	2.90	2.90
February	5.65	2.42
March	2.69	2.43
April	3.99	3.20
May	1.38	2.36
June	3.89	2.33
July	3.86	3.40
August	2.43	2.36
September	1.41	2.70
October	2.69	2.42
November	.85	2.19
December	1.31	2.24

The following table gives the yield and acreage of the main crops grown in 1939:

Wheat	1,400 bus.	31 acres
Oats	1,300 "	17½ "
Spring Barley	208 "	4 "
Winter Barley	112 "	2 "
Beans (Pea)	960 "	30 "
Beans (Soy)	81 "	3½ "
Corn	1,200 " (ears)	12 "
Tobacco	4,843 "	3.9 "

LIVE STOCK

Cattle—

During the year we purchased a Shorthorn bull to head the Shorthorn herd. This herd has done very well. One of the heifers we purchased gave over four thousand pounds of milk in her first lactation as a two-year-old. Five other heifers have freshened and some of them are doing very well. Three heifers and one cow were sold during the year and nine calves were born. The Shorthorn herd now numbers twenty-three head.

During the winter of 1938-39 eight Hereford steers were taken in to feed and we were paid 8½ cents a pound for each pound gain, 2,450 pounds or an average of 306 pounds from the first of December to the first of May, and we received $208.25 for them.

Swine—

Our Yorkshire herd has developed well during the year. Three sows were qualified in Advanced Registration and a number of other litters are now on test. Two young boars were purchased from Advanced Register breeding during the year and one of them is at present being kept as the main sire in the herd.

Thirty-eight young boars were sold for breeding purposes in Southwestern Ontario during the year, and sixty-seven young sows.

The following table will give a summary of the number of head and prices obtained at the second annual sale:

28 Bred Sows averaged	$45.21
38 Open Sows "	23.53
12 Young Boars "	28.08
2 Young Bulls "	87.50

EXTENSION WORK

Extension work continues to take considerable time. Ninety-four Agricultural meetings were attended. Thirty-one organizations visited the farm during the year.

SOIL TESTING

Soil testing service continues to be a main activity and brings us into contact with a lot of farmers' problems.

SWINE AND POULTRY PROBLEMS

During the year eighty-five farmers have visited the farm with poultry or hogs for post-mortems. Besides these, twenty-two trips were made to farms for the investigation of disease problems which have been presented. The majority of these troubles was internal parasites but other diseases were found in many cases.

INSECTS AND PLANT DISEASES

There continues to be considerable inquiry regarding insects and plant diseases. Where possible, these problems are handled by the Experimental Farm staff. At other times, a consultation is made with other workers on these problems. It is interesting to note that the campaign against common barberry was proceeded with considerable vigour during the spring of 1939. Considerable benefit has been noted as the 1939 season was freer of rust in fall wheat than any season during the past ten years.

LANDSCAPE WORK

The Experimental Farm continues to give advice on laying out private and public grounds. This necessitates a number of visits being made throughout the year, and plans for tree and shrubbery planting have been submitted to the interested parties.

SEED CLEANING PLANT

The Seed Cleaning Plant continues to be of service to the farmers in the district. While there were not quite as many bushels of grain cleaned as last year, yet there was a greater variety of seed brought to the plant for cleaning. It has been interesting to note that several samples of seed cleaned in our plant won prizes at the Chicago International Show, as well as other Fairs in Ontario.

CROP EXPERIMENTS

The Experimental Farm at Ridgetown has been co-operating with the Field Husbandry Department, O.A.C., Guelph, in conducting a Hybrid Corn test for the past three years. The result of this test has shown that some hybrids are much superior to the open pollinated varieties which have been grown in Southwestern Ontario in the past. They also are drought resistant, show less tendency to lodge and are not so susceptible to disease.

Hybrid corn is quickly replacing the old type of corn in Southwestern Ontario. Two years ago a Hybrid Corn Committee was appointed to look after the hybrid corn work in Ontario. Last year the Experimental Farm conducted a number of demonstration test plots with the co-operation of the Agricultural Representatives in the five counties in Southwestern Ontario. Last fall, from the data secured from demonstration plots and the other test plots, the Hybrid Corn Committee made and selected varieties to be recommended for Southwestern Ontario. The list was divided into three groups, Early, Medium and Late.

Comparative Yields—Fall Wheat Planted 7 Days Apart, 1938-39

Date of Sowing	*Yield per Acre*
September 3rd	38.25 bushels
September 10th	·45.13 "
September 17th	46.72 "
September 24th	48.00 "

Comparative Yield—Fall Wheat, 1939

Variety	*Yield per Acre*
Dawson's No. 61	47.06 bushels
Junior No. 6	44.28 "
Thorne	42.80 "
Dawtas	37.93 "

Comparative Yield Tests—Barley, 1939

Variety	*Yield per Acre*
Sparton (Two Rowed)	53 bushels
Winter Barley	51.5 "
No Barb (Six Rowed)	51 "
Peatland (Six Rowed)	48 "

Comparative Yield Tests—Oats, 1939

ON GRAVELLY LOAM

Variety	*Yield per Acre*
Erban	79 bushels
Alaska	73 "
Vanguard	68 "
Banner	60 "

ON CLAY LOAM

Variety	*Yield per Acre*
Alaska	82 bushels
Erban	81 "
Vanguard	77 "
Banner	72 "

Yield of Beans from Rotation Plots, 1939

Soil Treatment	*Yield per Acre*
Barnyard Manure @ 12 loads, Green Manure and 2-12-6 @ 200 lbs. per acre	36.66 bushels
Barnyard Manure @ 12 loads and Green Manure	38.33 "
Green Manure	33.66 "
Green Manure and 2-12-6 Fertilizer @ 200 lbs. per acre	33.33 "
Barnyard Manure @ 12 loads per acre	33.33 "
Fertilizer 2-12-6 @ 200 lbs.	31.00 "
Check	29.40 "

Variety Test—Beans, 1939

Variety	*Yield per Acre*
Down (Michelite)	28.98 bushels
E. F. R.	28.80 “
Ithaca	28.44 “
Michigan Robust	28.44 “
Wisconsin Robust	27.72 “
Blue Pods	22.32 “

Manure vs. Manure and Phosphate—Corn, 1939

Soil Treatment	*Yield per Acre*
Barnyard Manure @ 12 loads per acre, plus Superphosphate @ 250 lbs. per acre	5,080 lbs.
Barnyard Manure @ 12 loads per acre	4,867 “
Check	4,652 “

Fertilizer Experiment—Corn, 1939

Fertilizer and Rate of Application per Acre	Yield per Acre, Ears	Value of Yield per Acre	Cost of Fertilizer	Value of Yield per Acre after deducting Cost of Fertilizer
2-16-6 @ 250 lbs.	5,343 lbs.	$48.09	$4.25	$43.84
2-16-6 @ 375 “	5,778 “	52.00	6.37	45.63
2-12-10 @ 250 “	5,356 “	48.20	4.25	43.95
2-12-10 @ 375 “	5,563 “	50.07	6.37	43.70
2-12-6 @ 100 “	5,028 “	45.25	1.56	43.69
2-12-6 @ 250 “	5,233 “	47.01	3.91	43.10
2-12-6 @ 375 “	5,208 “	46.87	5.86	41.01
4-12-6 @ 100 “	5,085 “	45.76	2.19	43.57
0-12-6 @ 100 “	5,309 “	47.78	1.35	46.43
0-12-6 @ 200 “	5,464 “	49.18	2.70	46.48
0-12-6 @ 400 “	5,558 “	50.02	5.40	44.62
None	4,652 “	41.87		41.87

Price of Corn, 90 cents per hundred pounds (ears).

Summary of Results in Spraying and Dusting Potatoes

Potatoes were planted in June, and during most of the time Dooleys were planted, but in 1938 Kahtadin were planted. Spraying and dusting started in July when plants were about 8″ high. Applications were made from a week to two weeks apart, depending on weather conditions.

Power machinery were used for both spraying and dusting. Spray (Bordeaux mixture) was used at the rate of 80 to 100 gallons per acre and Dust (copper-lime) at the rate of 25 to 45 lbs. per acre. Five applications of each were given. In most cases the first two with a poison and the last three without a poison. Check plot was sprayed with poison only, to control insects—usually two sprayings.

	Yield per Acre		
Year	*Sprayed*	*Dusted*	*Check*
1931	176.9 bus.	206.6 bus.	129.2 bus.
1932	322.5 “	315.2 “	247.8 “
1933	180.0 “	213.5 “	146.5 “
1934	316.5 “	315.5 “	304.0 “
1935	166.5 “	162.0 “	149.2 “
1936	242.0 “	204.0 “	133.0 “
1937	261.0 “	243.0 “	166.0 “
1938	128.5 “	131.8 “	120.0 “
	1793.9 bus.	1791.6 bus.	1395.7 bus.

Average Yield per Acre—	
Sprayed,	224.2 bushels
Dusted	223.9 “
Check	174.4 “

In 1938 only three applications of dusting and spraying were made. Due to rains and spreading of the potato tops, it was impossible to go through the plots to make a fourth application without doing a large amount of damage to the tops with the horses and machinery.

HORTICULTURE

Peaches, cherries and apples yielded heavy crops, both at the Farm and throughout the district.

Frequent showers, as sweet cherries matured, washed off protective sprays before they had an opportunity to dry and, consequently, there was considerable rot.

This year demonstrated that the recommended sprays for sour cherries will not in exceptional seasons prevent yellow leaf and consequent early defoliation. Possibly a basic copper solution might be more effective.

Considerable success in protecting cherries from starlings was obtained by the use of an automatic exploder using calcium carbide.

A spring greenhouse crop of Michigan State tomatoes yielded at the rate of 2.57 lbs. per square foot of ground space, a decidedly profitable crop.

POULTRY

Despite the increase in the number of commercial hatcheries, there has been a steady demand for hatching eggs from the surrounding community. The sale of cockerels from bred-to-lay Rocks is also well utilized by local poultry keepers.

Diagnosing of poultry diseases is an important and much used function of the Poultry Department.

SWINE EXPERIMENTAL WORK

During the past few years tests have been conducted in finishing bacon hogs on corn feeding. This varied considerably from year to year, particularly in regard to the grade of hog. With this in mind, an experiment was conducted to ascertain the amount of protein necessary in a ration when corn was used as an only grain feed. A number of hogs were selected around one hundred pounds in weight and divided into three groups. Group No. 1 got sufficient protein supplement to bring the ration up to 10% protein. Group No. 2 received enough protein to bring the ration up to 11% and Group No. 3 received enough to bring it up to 12%. The following is a summary of the results:

	Per Cent Protein in Ration	*Feed per lb. gain*	*Feed Cost per lb. gain*	*Grade*	*Profit per Pig over Feed Cost*
Pen No. 1	10	4 lbs.	4.5	75% B 25% C	$5.07
Pen No. 2	11	3.8 lbs.	4.4	100% B	5.42
Pen No. 3	12	3.7 lbs.	4.4	100% A	6.37

At a little under one hundred pounds in weight, hogs were put on this experiment. They were well grown but lacked flesh. When live hogs sold at a little less than eight cents per pound, the price allowed per hog on the start was $8.00 apiece and the average selling price on the market was $11.50. The corn for this experiment cost one cent per pound, protein supplement two cents per pound.

SWINE EXPERIMENT—CROSS-BREEDING

The winter of 1939 we received a request from the Ontario Berkshire Club to do some cross-breeding between the Yorkshire and the Berkshire breeds. This work has been going on for over a year and is still in progress.

Two Berkshire sows were purchased and were bred to a Yorkshire boar. We also used a Berkshire boar on a number of our Yorkshire sows. There has been no noticeable difference in the way the pigs were crossed insofar as rate of gain, economy of gain and type of carcass were concerned. There was a distinct advantage, however, in the use of the Yorkshire sow when the cross was made as somewhat larger litters were obtained in this way.

	Cross-bred	*Yorkshires*
Rate of Growth	1.5 lbs.	1.3 lbs.
Feed per lb. Gain	3.4	3.4
Grade	10% A 90% B	70% A 30% B
Profit over Feed	4.30	5.10
Dressing Percentage	74	77

This table shows that the Cross-breds were ahead insofar as rate of growth was concerned but did not grade as well nor kill as high a dressing percentage and, consequently, did not give as much profit in the end as the pure-bred Yorkshire.

BABY BEEF EXPERIMENT

During the past few years considerable work has been done in regard to curing hay on tripods. This gives a better quality hay. This was tested out in baby beef production. Two lots of baby beeves were fed during the year.

Lot No. 1 were fed a mixed meal combined with oats, wheat, barley, corn and alfalfa hay. Lot No. 2 received ground soy beans, in addition to the mixed meal and alfalfa hay. Lot. No. 1 required 682 lbs. of meal and 332 lbs. of alfalfa to make 100 lbs. gain. Lot. No. 2 required 605 lbs. of meal and 60 lbs. of ground soy beans and 280 lbs. of alfalfa hay, consequently there was very little difference in the way these two lots did. If the hay had been a poor quality, there probably would have been a great deal more difference or, in other words, baby beef could be fattened successfully on mixed home-grown meal and well-cured alfalfa hay.

FARMERS' WEEK

The two-year course in Agriculture was discontinued this year due to lack of a residence for the students. Rather than hold a Short Course for just the young men of the district, it was decided to put on a Farmers' Week, to deal with the main problems in Southwestern Ontario Agriculture. This was held during one of the coldest weeks of the winter but the attendance was excellent; in fact, we had around six hundred different farmers attending.

PIG CLINICS

In order to meet the problem of swine diseases in Southwestern Ontario, it was decided to hold a two-day session on swine diseases. We advertised for farmers who were having trouble to bring their pigs in and we had Dr. Schofield and a couple of local veterinarians assist us in this work. We had an attendance of between two and three hundred farmers and about fifty pigs were brought in on this occasion.

STATISTICS AND PUBLICATIONS BRANCH

The work of the Statistics and Publications Branch embraces the preparation of agricultural statistics for the Province and the printing and distribution of publications dealing with farming subjects.

The compilation of statistics relating to all phases of agriculture was carried out with excellent co-operation from a large body of farm correspondents, cheese factories, creameries, commercial dairies, canning factories, and other establishments engaged in the processing and distribution of farm products. The statistical information is made available to the public, without charge, through the medium of the Monthly Crop Report, the Monthly Dairy Report, seasonal Fruit and Vegetable Crop Report, and the Annual Statistics Report.

The numbers specified of the following publications were printed for distribution to farmers during the current fiscal year:

Annual Reports	*No. of Copies*
The Report of the Minister of Agriculture	1,650
Agricultural and Experimental Union	2,500
Agricultural Societies	5,000
Entomological Society	1,500
Entomological Society, 1900-1937	1,500
Horticultural Societies	5,000
Ontario Agricultural College and Experimental Farm	2,000
Ontario Vegetable Growers' Association	1,500
Ontario Veterinary College	1,500
Stallion Enrolment Board	2,800
Statistics Branch	6,000

Serial No.	*Bulletins*	*No. of Copies*
367	Pork on the Farm	15,000
392	Pruning the Tree Fruits	7,000
404	Tomatoes in Eastern Ontario	5,000
405	Painting on the Farm	10,000
406	Producing Hay of Higher Feeding Value	25,000
407	Soy Beans in Ontario	15,000
408	Home Canning of Fruits and Vegetables	25,000
409	Weeds of Ontario	20,000
410	Profits from Fertilizing Farm Crops	10,000

	Circulars	
58	Weed Eradication by Chemicals	10,000
	Handbook on Feeding and Management of Dairy Cattle	30,000
	Fertilizers Recommendations for 1940	15,000
	Dairy Cattle Ration Cards	30,000

AGRICULTURAL AND HORTICULTURAL SOCIETIES BRANCH

During the year three new Societies were authorized—Chelmsford, St. Charles and Upsala, all in Northern Ontario. Sturgeon Falls and St. Joseph Island were reorganized, having been dormant for a number of years. The Glengarry and East Stormont Society was dissolved to operate as a Crop Improvement Association. New Liskeard was dissolved and Priceville was dormant. Three hundred and ten Societies were active.

Agricultural Societies had perhaps the most successful year in their history, with particular emphasis on service rendered to rural Ontario. In striking contrast to their operation a few years earlier, when activities were confined almost entirely to the conduct of Fairs, Societies in 1939 promoted a wide range of projects based on the needs of the respective communities served. The following will indicate the nature of these enterprises:

Field Crop Competitions.
Purchase and distribution of registered grain and certified seed potatoes at cost.
Spring Seed Fairs.
Society composite exhibits at large shows.
The operation or sponsoring of seed cleaning plants.
The maintenance of pure-bred sires.
The importation and distribution of breeding females.
Junior Clubs.
Rural Beautification Contests.
Reforestation.
Agricultural Meetings covering the following subjects: Weeds and Weed Control, Soil Fertility Problems and Soil Testing, Preparation of Grain and Seed with Special Reference to Cleaning, Grading and Treatment for Disease, Feeds and the Feeding of Cattle and Hogs, Co-operation and Marketing of Farm Products.
Short Courses.
T. B. Control (Restricted area meeting and sign-up).
Fall Fairs.
Spring Stock Shows.
Christmas Market Fairs.

This broader programme has received further encouragement by the "objects" of the new (1939) Agricultural Societies Act.

There was a remarkable increase in Field Crop Competitions from 134 the previous year to 193 in 1939. Owing to the organization of Crop Improvement Associations, which conduct Spring Fairs, grants in 1939 for this purpose were paid to 16 Societies only.

Under leadership of the Farmer's Magazine, 48 Rural Beautification Contests were held and 20 of these were sponsored by Agricultural Societies. Many organizations improved Fair Grounds by tidying, painting and planting trees and shrubs.

Livestock: Grants for maintenance of pure-bred sires were paid to 12 Societies as follows: Stallions 2, Bulls 69, Boars 28, Rams 15; total 114. Spring Stock Shows were held by 6 Societies.

Fall Fairs: It is doubtful if Societies ever staged more impressive shows than were held in the fall of 1939. Over 60 per cent indicated an increase in exhibitors and exhibits. Unfortunately, there was not a corresponding increase in gate receipts, as about 65 per cent of Societies reported a decrease as compared with the previous year. No doubt the declaration of war, just as fairs were opening, was a contributing factor. Though considerably above average, the weather was not as favourable as in 1938. Wet Weather grants were applied for by 52 Societies and only 76 per cent of gate receipt losses was covered. In contrast to the average, a number of Societies enjoyed a remarkable increase in gate receipts and the following Societies holding "one pay day fairs" are to be congratulated:

Teeswater	$2,647.00
Brigden	1,729.50
Rockton	1,729.00
Madoc	1,626.00
Erin	1,536.45

Many Societies made special efforts to create more interest in home communities by providing commercial and other classes to encourage the rank and file of local farmers.

Holstein or "Black and White" County Shows were held in conjunction with 15 Fall Fairs. In each case more county breeders exhibited and local interest was thereby extended. This plan brought out 144 head at Napanee, 126 at Markham and 115 at Roseneath.

By co-operation of the Ontario Cream Patrons' Association, educational exhibits of cream were sponsored by 18 Societies. These exhibits were staged in conjunction with competitive classes for which attractive prizes were offered. There were two divisions:

(1) For 50 pounds of cream from any one dairy herd of 10 cows or more.
(2) For 30 pounds of cream from a herd of less than 10 cows in milk at Fair time.

Orillia had 29 entries in this competition. Teeswater and Caledonia each had 14, while Markdale and Arthur had 11. Several other Societies modernized their prize lists in this respect and a few had cream grading competitions for juniors which were found to be quite educational.

Classes for pens of market hogs to be sold and slaughtered offer splendid opportunities for Societies to give practical encouragement and at the same time interest families which might otherwise not exhibit at Fairs. In 1939, Canada Packers Limited gave financial assistance to 12 Societies, and similar support was given by the T. Eaton Company Limited to 10 Societies. In each case, pens of 5 market hogs were required and these were sold for slaughter and prizes were awarded on a rail grade basis. The 5 Societies with highest entries are listed:

South Perth (St. Marys)	180
Moore (Brigden)	105
Caledonia	85
West Elgin (Wallacetown)	82
Teeswater	80

ONTARIO ASSOCIATION OF AGRICULTURAL SOCIETIES

The annual Convention of the Provincial Association was the largest ever held. Plans whereby Societies might make the greatest contribution to the war effort featured the programme. Association meetings were held in all districts. An important two-day Convention at Dryden was attended by delegates from all Societies west of the Great Lakes.

Service Diplomas were awarded by 102 Societies to carefully selected persons, one in each community, who had rendered unselfish service to agriculture and rural life.

During the year the Association became a member of the Ontario Chamber of Agriculture.

School for Judges: Young men and women from Central and Western Ontario, at their own expense, attended Schools at the Ontario Agricultural College for practice and instruction on Fall Fair judging, as follows:

1939	*Classes*	*Number*
April 20, 21	— Dairy Cattle and Swine	45
April 20, 21	— Beef Cattle and Sheep	43
April 20, 21	— Horses	47
April 20, 21	— Grain, Seeds and Roots	37
June 1, 2	— Poultry	21
August 8, 9	— Home Department	44
		— 237

Lists of those attending Schools were sent to Societies and most of them received one or more judging appointments.

ONTARIO PLOWMEN'S ASSOCIATION

Interest in good plowing is still mounting, as evidenced by a marked increase in entries at the International Match and more activity throughout the Province. In 1939 Senior Matches were conducted by 83 Branches of the O.P.A., being 3 more than were conducted in the previous year and the largest number ever held. Three new Branches were organized:

Chelmsford	Sudbury District
Collingwood Township	Grey County
Manitoulin	Manitoulin Island

Junior activities were increased by the holding of 12 Junior Matches. 11 Home Plowing Competitions and 48 Demonstrations. Departmental instructions and judges were supplied for all of the Junior events and for all but 2 of the Senior Matches.

International Plowing Match, Brockville

As national leaders had urged that Agriculture should be geared to wartime efficiency, it was decided, shortly after war was declared, that the International should be held and, if possible, promoted with more enthusiasm and efficiency.

Their Excellencies the late Baron Tweedsmuir and the Lady Tweedsmuir visited the Match on Thursday. They enjoyed chatting with contestants, and Lord Tweedsmuir, not satisfied with talking about plowing, took the handles and plowed a furrow, to the delight of spectators.

In spite of inclement weather, the programme each day was completed and a new record for entries was established. The total of 681 entries in 4 days was 94 higher than last year, and 90 higher than the previous record established at Fergus in 1937. Local entries on Tuesday totalled 125, being higher than any previous year, excepting at Maryvale Farm in 1934, when competition was open.

The large increase in entries was due chiefly to a substantial extension of prizes offered. The application of a sliding scale in large classes encouraged new competitors, as in classes with over 15 entries there was an additional $4 prize for each 3 entries. For instance, in Class 2, with 47 entries, 11 prizes were paid in addition to 10 advertised in the prize list. The total expended in awards was about $2,200 higher than in 1938.

The "King's Plate" of the Match was the Trans-Atlantic Class, sponsored by the Salada Tea Company of Canada Limited. The winners were awarded medals and trips with all expenses paid to the British Isles:

Gold Medal—Edward Timbers, Milliken.
Silver Medal—R. G. Brown, Galt R.R. 7.

Junior Farmers were very much in evidence at Brockville. The new Inter-County (Tractor) Class brought out 11 teams of 2 plowmen each. The James McLean Memorial Trophy was won by the Dundas County Team with 129½ points. Coach—H. W. Graham. Team Members—Arnold Watson, Lunenburg, and Raymond Beehler, Crysler.

The classic Inter-County (horse) contest provided the largest entry on record, with 22 teams and 66 young men under 20 years of age, plowing in one field. The Farmer's Magazine Trophy was won by the Haldimand County Team with 219½ points. Coach—A. Gordon Skinner. Team Members—Howard Fess, Selkirk; Rhys Bacher, Cayuga, R.R. 3; Harold Nie, Nanticoke, R.R. 1.

The exhibit of farm machinery and home conveniences was more impressive than in any previous year. There was a marked improvement in the effectiveness of displays.

Educational exhibits, always an important feature, were arranged by the following:

Experimental Farm Systems, Ottawa.
Ontario Veterinary College, Guelph.
Ontario Agricultural College, Guelph.
Agricultural School, Kemptville.
Provincial Department of Health.
Publicity and Extension Branch, Department of Agriculture, Ottawa.
Forestry Branch, Ontario Department of Lands and Forests.
Hydro-Electric Power Commission, Ontario.
Crops Branch, Ontario Department of Agriculture.
Ottawa Valley Seed Growers' Association.

Apart from some interference by unfavourable weather, educational demonstrations were very satisfactory and included the following:

Multiple Hitch.
Farm Drainage.
Cultural — Draft of Implements.
Oxen Plowing.
Plow Setting.
Anatomy and Care of Horses' Legs and Feet.
Seed Cleaning.
Weed Killing.
Electrical Equipment — Farm and Home Conveniences.
Soil Testing.

Horse Shoeing Competitions attracted large crowds daily. Class winners were as follows: Alex. Cleland, Barrie; L. Miller, Frankville; and C. Sheppard, Toronto.

Due to an increased prize list with 30 awards totalling $500 and the energetic promotion of the Horse Committee, the average quality of plow teams was high and the Horse Show on Friday impressive. Awards were won by:

1—Clark Dairy, Ottawa
2—Stewart McConnell, Osgoode Station.
3—Charles Short, Lindsay.

Prizes amounting to about $7,000 were provided by:

The United Counties of Leeds and Grenville.
The Town of Brockville.
The Ontario Department of Agriculture.
The Federal Department of Agriculture.
and other municipalities, corporations and public-spirited citizens.

Annual Convention:

Over 300 delegates and others interested in good plowing attended the successful Convention held in Toronto in February, 1939.

HORTICULTURAL SOCIETIES

The declaration of a state of war immediately raised the question of whether beautification might be left in abeyance or decreased for the duration of the war. Experience during the 1914-1918 period may serve as a guide:

Year	*Membership*	*Expenditure*	*No. of Societies*	*Government Appn. for Grants*
1913	11,422	$32,701	71	$12,000
1914	13,209	33,764	74	12,000
1915	14,465	48,021	79	12,000
1916	15,992	41,608	74	12,000
1917	17,162	47,035	82	12,000
1918	17,558	53,822	97	17,000
1919	24,877	68,974	93	17,000

These figures show there was an increase of 70 per cent in the number of Societies, the total membership was more than doubled, and the expenditure for horticultural purposes was multiplied by 3. This may be taken as evidence that in trying times people require a hobby which affords recreation and spiritual rest. We may therefore proceed on the assurance that Horticultural Society activities are fully warranted and a well-planned programme should be promoted with more enthusiasm than in times of peace.

During the year seven new Societies were authorized, as follows: Matheson; Selkirk; Port Dalhousie; Innerkip; Larder Lake; Omemee District; and Freelton. Ten were reorganized, including: Osgoode (Kenmore), Cochrane, Hagersville, Bronte, Norwich, Mitchell, Forest Hill and Markham. Five were dissolved or recorded as dormant. The total active Societies show an increase of 10, being 245, but satisfactory reports have not been received from all of these.

The main features of the 1939 programme are listed, with the response to each, as indicated by reports.

1—Civic Improvement—promoted in some form by 75 per cent of Societies
2—Rural Beautification—sponsored by 60 per cent of Societies
3—Juvenile Programme—sponsored by 60 per cent of Societies
4—Garden Competitions—sponsored by 50 per cent of Societies
5—Highway Tree Planting—sponsored by 35 per cent of Societies.

The Royal Visit offered additional opportunities for service. Many Societies planted trees in commemoration and others were responsible for impressive civic decorations.

Rural Beautification: Satisfactory progress has been made in the programme to beautify rural Ontario under the direction of the Departmental Committee. In four counties where concentrated campaigns were organized, remarkable improvement has been achieved. In Carleton during the year 40 meetings were held and 205 contestants entered competitions for which a total of $500 was offered in prizes. An average of 100 forest trees each was distributed by 48 schools. Sixty lawn mowers were distributed throughout the county.

In Haldimand, the 10 Point Plan outlined at the last Convention was carried through successfully. Thirteen schools were landscaped and trees were distributed to all pupils in the county. Some 114 trees were planted to commemorate the visit of Their Majesties. Some 765 shrubs were planted on school properties and the majority of these were in good condition. Approximately 205,000 trees were planted throughout the county. Similar work, though not quite as extensive, was done in the Counties of Lambton and Northumberland. Rural beautification, however, was not confined to a few counties but has been general throughout the Province.

To co-ordinate the efforts of officials concerned and to promote more general improvement of Rural Schools an inter-department committee was convened in December 1939, composed of representatives from the Departments of Education, Forestry and Agriculture. During the winter plans were developed which resulted in a marked increase of activity in this important phase of rural beautification.

ONTARIO HORTICULTURAL ASSOCIATION

The Annual Convention of the Provincial body was well attended and enthusiastic. The general programme of the Association reached practically all parts of Ontario.

Meetings for officers were held in 11 Association Districts. Summer meetings or field days for members were held in all districts in Old Ontario with one exception.

The Association gave financial assistance to 38 Societies for the expense of speakers. During the year a new record book was designed and a quantity purchased for resale to Societies at cost as required.

As a service, the Association is now in a position to lend slides to Societies as three sets have been purchased for that purpose.

Junior Flower Judging Competitions were conducted in five Association Districts. Teams representing the following Societies were first prize winners:

District	*Place of Competition*	*Society*
2	Arnprior	Arnprior
4	Woodville	Lindsay
6	Hamilton	Hamilton
7	Guelph	Guelph City
10	Tavistock	Woodstock

The first Junior Championship Judging Competition was held at the 1940 Convention, open to a prize winning team from each of the above Districts. The Black Leaf 40 Trophy was won by the District No. 10 Team sponsored by the Woodstock Society. Coach—Fred Fairs, District Director, Woodstock. Team—John Dewan, Allan Harley and Jack Fletcher.

Rural School Improvement Competitions were conducted in seven Association Districts. The winner in each case was entered in a Championship Contest. The J. E. Carter Trophy for highest score in the Provincial Competition was awarded to S.S. 4, Crahame, Northumberland County, District 4. Teacher—Miss C. Hubble.

Association Awards in 1939:

Silver Medal and Diploma—Rev. H. A. E. Clarke, Cornwall.
Diploma—Fonthill Society.
J. E. Carter Gold Medal—H. Occomore, Guelph.
Service Diplomas were provided to 60 Societies.

AGRICULTURAL REPRESENTATIVE BRANCH

FOREWORD

The duties of the Agricultural Representative are many and varied. His programme, like that of the farmers whom he serves, had to be adjusted to meet changing conditions caused by the outbreak of the second world war. Although the agricultural products most needed by the Allies have not yet been clearly defined, except in the case of bacon, the Agricultural Representatives have adopted a policy embodying three fundamentally sound principles of agriculture:

1. Increase the yield per acre by the use of clean, plump seed of suitable varieties, the practice of adequate tillage methods and the maintenance of soil fertility.

2. Improvement in quality of live stock and field crops.

3. Maintenance of the regular system of farming with more emphasis on economic production, rather than the extensive mass production of any one crop or breed of live stock.

In cases of economic stress or national emergency calling for careful study of all agricultural problems, the work of the Agricultural Representative is multiplied.

During the year A. V. Langton, Agricultural Representative in Glengarry and East Stormont, resigned to take up farming, and J. A. Dalrymple of Smithville, who has been acting as Assistant Agricultural Representative in Prince Edward County, was appointed to the position of Agricultural Representative in Glengary and East Stormont.

LIVE STOCK IMPROVEMENT

Horses

The Agricultural Representatives provided transportation for Stallion Inspectors when they made their annual fall inspection.

Bot Fly Control was encouraged. Special programmes, including treatment for Encephalomyelitis (sleeping sickness) were organized in localities where outbreaks of this highly fatal disease were feared. Excellent results were obtained with chick vaccine.

Several field days and horse shows were arranged. The Stratford Horse Show, operated by the Perth County Horse Breeders' Association, has the local Agricultural Representative as Secretary-Treasurer.

Cattle

T.B. Restricted Areas: All preliminary organization for circulating petitions and completing the canvass for the establishment of the county or district as a T.B. Restricted Area is assumed by the Agricultural Representative. (See Live Stock Branch for report on progress of testing.)

Warble Fly Control: In Oxford County warble powder was provided by the County Council annually from 1934 to 1938 and all cattle were treated. No powder was provided for 1939 but distribution was made again in 1940. The total cost in 1934 amounted to $1,984.00. This was gradually reduced in five years to $252.44 in 1938, but jumped again after the lapse of one year to $800.80. This report, as well as results obtained in special work on Barrie Island, gives definite proof of the value of annual treatment for warbles.

OXFORD COUNTY

Year	*Powder Purchased*	*Cost*
1934	3,100 lbs.	$1,984.00
1935	875 "	545.55
1936	965 "	627.25
1937	850 "	340.10
1938	584 "	252.44
1939	No powder purchased by County Council	
1940	352 lbs.	800.80

NOTE: 5⅓ ozs. of powder purchased in 1940 is equal in strength to 1 lb. purchased in 1938.

Bull Loaning Policy

The Agricultural Representatives co-operated with the Dominion Production Service in organizing Bull Clubs in Northern Districts. The service of these good bulls has done much toward the improvement of cattle in districts where farmers have difficulty in financing the purchase of a good bull. Report of bull clubs now in operation:

District	*No. of Clubs*	*Breed of Bull*	*No. of Members*
Algoma	23	19 Shorthorn, 3 Angus, 1 Ayrshire	154
Cochrane W.	2	Ayrshire	30
Kenora	6	4 Milking Shorthorn, 2 Holstein	61
Lanark	3	Shorthorn	30
Manitoulin	12	9 Shorthorn, 3 Hereford	66
Muskoka & P. S.	20	Shorthorn	
Nipissing	8	6 Shorthorn, 2 Ayrshire	
Rainy River	17	Milking Shorthorn	150
Renfrew	6	Shorthorn	45
Sudbury	4	1 Ayrshire, 3 Milking Shorthorn	29
Temiskaming	5	Shorthorn	55
Thunder Bay	18	15 Shorthorn, 3 Holstein	161
Totals	124	95 of 124 clubs reporting membership	681

Cow Testing

Dairymen continue to show little interest in cow testing. Those with sufficient pure-breds, of course, enter R.O.P. In Halton County 266 cows were on test and the following comparisons show the value of testing:

	Average Lbs. Milk per Cow	*Average Lbs. Fat per Cow*	*Total Value per Cow*	*Difference per Cow*
High Herd	11,173	390.2	$237.98	$ 68.90
Low Herd	7,938	276.2	169.08	
High Cow	13,834	497.0	298.81	218.85
Low Cow	3,136	156.3	79.96	

Sheep

Some 16 drenching demonstrations were held, at which 1,056 sheep were treated for internal parasites. It is estimated that more than 42,000 sheep were treated in 1939, while 2,020 sheep were dipped in demonstrations. It is estimated 120,000 sheep were dipped or otherwise treated for ticks and other external parasites.

The Representatives also assisted materially in the organization of Lamb Fairs and the co-operative marketing of wool and lambs.

Swine

Advanced Registry Swine Breeding was organized in Waterloo County about six years ago and by the organization work of the Agricultural Representatives, Advanced Registry Swine Clubs, Boys' Swine Clubs, Boar Clubs and by private purchase, Advanced Registry stock has spread to nearly every county in Ontario.

With indications of a greatly increased swine population, the signing of the British Bacon Agreement and the hope of encouraging the production of winter litters and to reduce the mortality in winter farrowed pigs, the Agricultural Representatives organized and held 171 special swine meetings, with a total attendance of 7,605.

Quarterly Pig Survey

The Agricultural Representatives co-operate very closely with the Dominion Marketing Service in estimating the pig marketings over three months' periods. A special attempt was made to encourage more boar owners to fill out quarterly reports and thus increase the efficiency of the survey.

South Simcoe made a complete boar census, resulting in a greatly increased number of boar owners co-operating in the survey.

Rail Grading

In order that farmers might get a clearer picture of the set-up necessary for grading hogs on the rail and to see first hand the actual grading process, groups of farmers were invited by one of the large packing plants in Toronto to spend a day at the plant. Groups visited the plant as follows:

County	*No. of Groups Visiting Packing Plant*	*Total Attendance*
Brant	1	98
Bruce	2	75
Halton	4	221
Ontario	1	59
Peel	2	91
Perth	1	46
York	9	514
	20	1,104

In addition to the above, similar groups visited packing plants at Hamilton, Stratford, Kitchener and Barrie.

POULTRY

Poultry Culling

Some 103 Poultry Culling Demonstrations were held in 21 counties, with 12,000 birds culled in demonstration. It is estimated 371,000 birds were culled in Ontario in 1939. There are 601 Ontario Breeding Station flocks in Ontario.

Through culling and worming demonstrations, post-mortem examination of diseased birds, along with recommendations for proper feeding, sanitation, care and management and the selection of good breeding stock, mortality in poultry is being gradually reduced and vigor and production increased.

Agricultural Representatives are closely connected with the Poultry Industry from the Breeding Station flock, producing high class hatching eggs, to the marketing of poultry and eggs.

LIVE STOCK BREEDERS' CLUBS

The Agricultural Representatives, in most cases, act as Secretaries of the County or District Live Stock Breeders' Clubs. Number of Clubs by breeds:

Club	*Number*	*Membership*
Holstein Clubs	36	1,403 (25 reporting membership)
Ayrshire Clubs	11	140 (5 " ")
Jersey Clubs	12	238 (7 " ")
Shorthorn Clubs	10	178 (6 " ")
Yorkshire Clubs	8	175 (8 " ")
Guernsey Clubs	3	54 (1 " ")
Clydesdale Clubs	2	
Horse Breeders Clubs	2	
Swine Producers Clubs	2	
Turkey Clubs	1	

FIELD CROP AND SOIL WORK

In January, February and March, 1940, as a war measure, a special Field Crop Programme was inaugurated, with the object of encouraging farmers to use quality seed, of which there was an abundance, to practise adequate tillage and to maintain the fertility of the soils at a satisfactory level. With a labour shortage which has indications of becoming more acute, it was felt that material increase in crop production could be brought about in this manner, without bringing into production much additional land of doubtful producing ability.

Crop meetings were held in every county; some counties prepared and forwarded special crop letters to every farmer.

A comprehensive seed survey was made and lists of available seed supplies of good quality were compiled in a 76-page mimeographed book, which was given wide distribution.

As a result of the survey and the Field Crop Programme, more high quality seed of suitable varieties was used than ever before.

HAY AND PASTURE PROGRAMME

Hay and pasture crops in Ontario constitute 52% of the total crop acreage. These crops are often referred to as the lowest cost feed crops and the most neglected crops in Ontario Agriculture.

On January 24, 1940, the Ontario Hay and Pasture Committee was organized, representing the Ontario Department of Agriculture, the Ontario Agricultural College, the Kemptville Agricultural School, the Ridgetown Experimental Farm and the Dominion Production Service. A long-time programme of Hay and Pasture Improvement was planned.

Immediate recommendation was made for the printing and distribution of 30,000 copies each of Bulletin No. 406 and Extension Circular No. 28, 10,000 copies of a circular on Tripod Curing of Early Cut Hay and 20,000 copies of a circular on Pasture for Poultry. Some 5,000 posters were prepared and distributed. A summary of work accomplished to date on hay and pasture improvement was assembled and copies submitted to Agricultural Representatives for reference purposes.

The reorganization of all crop improvement work under the County Crop Improvement Associations, commenced in 1938, was continued in 1939.

Crop Improvement Statistics:

Number of County Crop Improvement Associations	39
" County Seed Fairs	23
Total Entries	2,952
" Total Crop Meetings and Demonstrations	146
Attendance	7,175
" Variety Test Plots	162
" Variety and Fertility Test Plots	26
" Fertility Test Plots	231
" Rod Row Replicated Test Plots	58
" Junior Farmer Fertility Test Plots	88
" Hay and Pasture Improvement Demonstration Test Plots	49
" Mustard Control Plots	8
" Disease Control Plots	11

Soil Improvement

Farmers are turning more and more to the soil test as the basis for soil management. Twenty-one Representatives' offices are equipped with soil test kits. The Counties of Peel and York have granted financial assistance to this work so that tests can be made of soils on practically all the farms.

LEAF AND STEM RUST OF GRAIN

Oxford County reports that an Oat Variety test plot was damaged by stem rust and a barberry bush was discovered growing within 125 feet of the plot. Incidentally, Vanguard and 22-00-6 came through almost 100% clean. Within 1½ miles of this plot a serious leaf rust infestation was traced to an old buckthorn hedge. In this case Erban oats stood up and were easily cut, while Alaska and Gopher varieties close by were flat on the ground and of little value.

These experiences have resulted in a vigorous campaign to clean out all existing buckthorn and common barberry shrubs. Several demonstration meetings have been held. The corn borer inspector has been empowered to have these shrubs destroyed and all teachers in rural schools will teach at least one lesson on leaf and stem rust control.

Fanning Mill Screen Service

In counties where it is difficult to purchase adequate screening material, the Agricultural Representatives provide this service at cost. In South Simcoe 65 fanning mills were equipped with new screens at a series of 6 crop meetings. In York County more than 30 screen sizes and types are carried and hundreds of requests are received annually for this material.

Orchard Spray Service

Some 4,941 fruit growers in 27 counties received the series of spray service letters. All of these growers received at least 8 letters and some received as many as 15 during the spraying season.

CONSERVATION AND REFORESTATION

The Agricultural Representatives co-operate very closely with county and district reforestation committees. In fact, three of the five Zone Secretaries are Agricultural Representatives.

The reforestation and conservation programme in Ontario continues to make substantial progress. A new County Forest was established in the Counties of Leeds and Grenville, with the purchase of 1,100 acres of land.

Zone meetings and field days were held in all five zones. The number of forest trees distributed has increased from 16 million in 1938 to 17 million in 1939.

Many counties are expanding their county forests, introducing school, junior farmer and Boy Scout plantations. Towns and villages are practising conservation by planting areas around their sources of water supply.

HOME BEAUTIFICATION

More attention is being devoted to the appearance of the farm home and much has been done in the way of planting, leveling, repairing, painting and cleaning up.

Some 47 Home Beautification Contests were conducted with a total membership of 993.

In Bruce County the Bruce Beautification Bureau was organized with a membership of well over 1,000. The programme includes 18 school planting demonstrations, a large number of meetings, a combined reforestation and beautification field day and tour, a clean-up week, etc. Members receive a reduction of 35% on certain nursery stock and 20% on certain paints.

In Northumberland County 10 woodlot meetings were held, largely with school children, with an attendance of 1,143. S. S. No. 4 Cramahe, in Northumberland, won the Carter Trophy for the school showing the greatest improvement in school ground appearance in Ontario.

In Haldimand County the Home Improvement Association was formed in February, 1939. Achievements are: Membership, 808; affiliated organizations, 35; clean-up campaigns, 6; trees planted to commemorate the Royal Visit, 114; press articles, 10; schools undertaking school planting, 11; meetings, 35; attendance, 3,079; other achievements included extensive tree planting, home grounds improvement, house painting, cemetery improvement, etc.

In Carleton County the Rural Home Beautification Association has a membership of 1,100. 23 meetings were held, with an attendance of 1,892. 248 farm homes were given landscape service. There were 5 Home Beautification Contests, with a membership of 205. The financial statement shows receipts to the extent of $549.75, all of which was expended on the work.

FARM TOURS

Farm tours are becoming more and more popular. Invariably these trips are planned, organized and managed by the Agricultural Representative.

PLOWING MATCHES

Some 72 County Plowing Matches were held in 1939, with competitors totalling 2,628 and a total prize list amounting to $19,627.10.

SEPTIC TANKS

Some 127 septic tanks were built with the use of the forms located at the offices of the Agricultural Representatives. There is now a total of 1,133 septic tanks in Ontario built in this manner.

FARM LABOUR

The Agricultural Representatives received 1,690 applications for farm help and the following were placed:

Single Men	1,060
Married Men	66
Boys	46
	1,172

Some of these placements were made with the co-operation of Employment Bureaus.

JUNIOR EXTENSION

Rural School Fairs

106,919 pupils made 203,667 entries in 509 School Fairs held in 1939. The total attendance amounted to 128,140 children and 133,791 adults. 294,260 packages of grain, vegetable and flower seeds were distributed to school pupils in the spring.

Rural School Fairs are a joint project carried on by the Departments of Agriculture and Education. While the general supervision and management is vested in the Agricultural Representatives, the Public and Separate School Inspectors share equal responsibility in drafting prize lists, judging exhibits and competitions dealing primarily with school work, the day of the fair. The Agricultural Representative, in addition to sharing the responsibility of organization and management, assumes the full responsibility for the packaging and distribution of seeds, prize lists and entry tags, securing of judges, transportation of tables, poultry coops and other equipment and all clerical work in connection with each fair.

Short Courses in Agriculture

Courses in Agriculture of from one week to two months duration were conducted for young men who cannot be spared from duties at home to attend a longer course at an agricultural school or college. The courses are organized on the request of the local people who supply the accommodation. The Department of Agriculture supplies the instructors and equipment. The Agricultural Representative is in charge of the course in each case.

Due to the outbreak of war and the necessity for conservation of public funds, the usual practice of holding a number of three-month schools was suspended this year.

Courses Held During the Year

	Number	*Enrolment*
Two-Month Courses	2	64
One-Month Courses	41	1,286
Two-Week Courses	5	121
One-Week Courses	3	49
Four-day Courses	3	375
Three-Day Courses	8	329
Two-Day Courses	2	170
One-Day Courses	4	187
Special Two-Day Course in Farm Management	6	234
Correspondence Course	1	100
Total	75	2,915

A large number of special courses of from one to four days duration were held, comprising a wide variety of agricultural subjects. The study of specific subjects through the medium of study groups is proving popular in a number of counties and districts.

JUNIOR FARMER ASSOCIATIONS

Junior Farmer Associations are a natural outgrowth of short courses and are organized to maintain short course associations and to provide an opportunity for further study and community work. Junior Farmer Associations render distinguished service to the Agricultural Representative in the organization and conducting of many junior activities in the respective counties. There are in Ontario 130 Junior Farmer Branch Associations and 17 County Associations. One hundred and nineteen of these Associations report a membership of 3,220.

"JUNIOR FARMER NEWS," a mimeographed monthly publication edited by the Agricultural Representative Branch, is forwarded to the association secretaries and is designed to provide information and ideas for regular meetings and to serve in bringing about a clearer and more personal relationship between the various associations throughout the Province.

JUNIOR FARMER PLOWING COMPETITIONS

Thirteen Home Plowing Competitions and 8 Junior Plowing Matches were held, with 304 Junior Farmers competing. Junior Plowing Competitions usually preceded by plowing demonstrations, given by an expert plowman, provide an excellent elimination contest for the selection of teams to represent the county at the International Plowing Match.

Judging Competitions

Realizing the practical educational value of being proficient in judging live stock and seeds, young men and boys entered the various county and district events in greatly increased numbers. Forty-four County Live Stock and eight Seed Judging Competitions were conducted by Agricultural Representatives, with a total of 2,313 Junior Farmers taking part. These figures do not include judging competitions at fairs, seed fairs and field days.

Total Entries in Judging Competitions at Class A Fairs

Central Canada Exhibition	263
Peterborough Industrial Exhibition	235
Canadian National Exhibition	422
Western Fair, London	223
Total	1,143

At the 13 Class B Fairs special Junior Farmer programmes were arranged in stock and seed judging, rope and halter work, team demonstrations and inter-club calf and colt competitions.

In lieu of the Winter Fairs, which were suspended, the Ontario Provincial Winter Fair Association staged an excellent Seed Fair in the King Edward Hotel, a prominent feature of which was the junior section. Each Grain and Potato Club in Ontario was eligible to make three entries.

Number of Entries in Junior Section

Potatoes	45
Corn	23
Oats	53
Barley	16
Total	137

Inter-County Competitions were held at the following fairs:

	Team Competing	*No. of Contestants*	*Winning Team*
Ottawa Valley Seed Fair			
March, 1939	6	18	Carleton
April, 1940	5	15	Renfrew
Quinte District Seed Fair	8	67	Durham

MASSEY FUND SCHOLARSHIP

A number of counties, in conjunction with the Massey Fund, provide scholarships to send worthy boys to the Ontario Agricultural College at Guelph. The Agricultural Representative is invariably one of the selecting committee and the award is made on the applicant's ability as evidenced by Junior Farmer, agricultural and community work. If the qualifications of two or more applicants are very nearly equal, then a written examination is given.

Counties participating in 1939 were Bruce, Carleton, Dundas, Glengarry, Haldimand, Kent, Norfolk, Perth, North Simcoe, South Simcoe, Stormont and York.

The County of Leeds, through three public-spirited citizens, provides scholarships of $100 each to four students from the county attending the Kemptville Agricultural School.

4-H CLUB CONGRESS, CHICAGO

Five young women and seven young men, selected for some outstanding accomplishment in their respective counties, attended as a group the National 4-H Club Congress held in conjunction with the International Live Stock Show at Chicago. C. D. Graham, Agricultural Representative for Peel County, had charge of the party and Miss Lulu Row, of the Institutes Branch, acted as chaperone for the girls.

CLUB CAMPS

The report on junior work would not be complete if mention was not made of the club camps organized by the Lakehead Exhibition and the Central Canada Exhibition.

In co-operation with the Port Arthur-Fort William Kiwanis Club, the Lakehead Exhibition held a three-day Junior Farmer Camp. A building was provided for the showing of exhibits. The following special projects were sponsored: 1 Calf Club, 1 Grain Club, 2 Sheep Clubs, 3 Potato Clubs and 1 Home Garden Club.

At Ottawa, the Central Canada Exhibition Association organized a Boys' Calf Club Camp. One hundred and seventy-eight boys were housed in tents for five days. An equal number of calves were provided with accommodation in six large tents nearby. In addition to calf and showmanship classes, judging competition and parade of calves, the camp members were provided with meals and a full five-day programme, including trips to points of interest in Ottawa and a seat on the grandstand for one of the evening performances.

BOYS' CLUB WORK

Club work with boys between the ages of 12 and 20 continues to hold its popularity and is making excellent progress. The Agricultural Representative assumes responsibility for the organization of boys' clubs, assisted by a volunteer club leader and a committee of three (one of whom is the Agricultural Representative). Each club is sponsored by a local organization which, in addition to taking personal and direct interest in the club members, agrees to pay one-third of the prize money and often arranges suitable credit on which club members can purchase a good calf, pair of pigs, group of sheep or a flock of baby chicks.

In the live stock clubs, particularly those of calf, colt and swine, the membership has increased from year to year. In many cases the Ontario Live Stock Branch Officers contribute their services to the work, particularly on Achievement Days. The Live Stock Branch also contributed $712.50 in grants to 52 colt clubs and $1,640.32 to 88 calf clubs.

In 1939, 5,085 boys and girls were enrolled in 316 clubs—an increase of 759 club members and 45 clubs over the previous year.

Clubs Organized in 1939

	No. of Clubs	*Membership*
Calf Clubs	88	1,386
Swine Clubs	14	201
Foal Clubs	52	769
Sheep Clubs	4	81
Poultry Clubs	10	193
Grain Clubs	66	1,121
Potato Clubs	42	742
Garden and Canning Clubs	40	592

Provincial Club Contests

The two high boys between the ages of 16 and 20 in each club were eligible to compete in the Provincial Boys' Club Competitions held at the Ontario Agricultural College, Guelph, on October 20. Trophies and cash prizes are provided in each project, the Ontario Live Stock Branch contributing $45 in prize money to the foal club competition and $88 to calf club winners.

Winning Teams:

Project	*No. of Teams Competing*	*Winning Team and Coach*	*Team Members*
Dairy Calf	33	Leeds County—J. R. Ostler	Ross Stone, Forfar Jos. K. Raison, Harlem
Beef Calf	13	Middlesex County—W. K. Riddell	Donald Stuart, Muncey Jos. Reilly, Muncey
Swine	11	Durham County—E. A. Summers	Lawrence Malcolm, Nestleton Howard Malcolm, Janetville
Foal	39	Waterloo County—E. I. McLoughry	Jas. E. Cowan, Galt Ward Shantz, Waterloo
Grain	40	Durham County—E. A. Summers	Glen Hancock, Orono Marlow Hancock, Orono
Potato	22	Middlesex County—W. K. Riddell	Hugh Brodie, Komoka Mac Smithrim, Kerrwood
Poultry	5	Lincoln County—E. F. Neff	E. Masterson, St. Catharines Ross McEwan, Beamsville

LIVE STOCK BRANCH

HORSES

It is generally conceded that the number of stallions enrolled in any year is a very good criterion of the amount of breeding being done. In 1939 there were 1,701 stallions standing for public service, the greatest number in any year since 1919, when 1,729 were enrolled. This number gradually and steadily decreased each year until 1932 when 1,013 horses were enrolled. In 1933 there was an increase and this condition has continued up to the present time, reaching the high figure of 1,701 in 1939. It would appear that horse breeding in Ontario is now on the same basis as in 1919.

General conditions in agriculture and industry have had a decided influence on the trend of horse production. The period covered by the early 1920's witnessed the introduction of mechanical power on the farm. It also marked a period when the price of farm products was highly satisfactory, so much so that many farmers began to show a preference for tractors. Automotive power began replacing horses in industrial centres. These two conditions resulted in a reduced demand for horses. When the depression came in the late 1920's and early 1930's farmers again began thinking in terms of horses. They realized that they could produce the fuel required for horse power, which was not the case with the tractor. During the first years of the depression horses that were becoming old should have been discarded but were forced to carry on. It was inevitable that sooner or later replacements would be necessary. After the low point in the cycle was reached in 1932 the trend began to show an upward turn. The increase has continued to the present time. During the last few years horses have found a ready sale at good prices, but a slight dropping off in demand was noted in 1939. As a result of increased breedings in previous years it would appear that the supply has again caught up with the demand.

At the outbreak of war many farmers began thinking of increased production. Implement manufacturers were quick to sense this situation. Most fairs following the outbreak of war were featured by large displays of farm machinery, which resulted in many sales. Undoubtedly many purchases were made in anticipation of higher prices for farm products. The advance in farm commodity prices to date has not been up to expectations and this condition has caused a temporary lull in implement buying. Nevertheless, if the prices of farm products advance, tractors may again replace horses on many farms. In view of this possibility, coupled with the fact that the war has not as yet created any new demand for horses, it would appear that Ontario has reached another stage in the cycle—a stage when horse breeding may be on the decline.

STALLION ENROLMENT

The Ontario Department of Agriculture has been endeavouring to improve the horses of the Province by regulating the kind of stallions that can be used for public service. There were 174 Form 1 horses and 215 Form 2 horses enrolled in 1939. All amounts paid by the Province are duplicated by the Federal Department of Agriculture. The Ontario Department, through its Live Stock Branch, paid out $12,050 for premiums in 1939 to the owners of 263 stallions.

Following is an analysis of the stallions qualifying for premiums according to breeds: Percherons, 104; Clydesdales, 98; Belgians, 31; Thoroughbreds, 10; Standard Breds, 7; Hackneys, 6; German Coach, 4; French Coach, 2; French-Canadian, 1.

HORSE SHOWS

The Ontario Live Stock Branch continued to grant assistance to spring horse shows during the year. The following fairs received assistance in 1939:

Perth County	$ 500.00
St. Catharines	500.00
Toronto Open Air	200.00
Clinton	200.00
Brantford	200.00
Linwood	200.00
North Blenheim	182.00
Brooklin	164.50
Elora	126.00
St. Clements	98.00
	$2,370.50

CATTLE

It is estimated that Canada produces an annual surplus of almost a quarter of a million cattle. The best market for the surplus cattle is in the United States because of the proximity of the important markets of that country to the areas of production in this Dominion. A duty of three cents a pound was imposed on Canadian cattle entering the States in 1930, and on January 1st, 1939, a new Canadian-American agreement became effective and under the terms of that agreement the duty was reduced to one and one-half cents a pound. Canada is permitted to supply 51,720 cattle during each quarter of the year and exports amounted to 191,101 head. Of this number Ontario furnished 64,837 head of beef cattle and 6,537 head of dairy cattle.

The United States has continued to be our best outlet for dairy cattle. Prices were slightly lower in 1939 than during the two previous years but trade was good with prices at satisfactory levels.

RESTRICTED AREAS

Testing of cattle for tuberculosis is becoming a more important factor in sales each year. For quite a number of years all breeding stock entering the United States must have passed satisfactory tuberculin tests. In 1938 this regulation was extended to include all cattle except those for immediate slaughter.

Many new areas were undertaken in Ontario during the year. These included the following counties: Waterloo, Brant, Norfolk, Wentworth, Simcoe, Grey, Essex and Lanark. The Ontario Department of Agriculture has been responsible for all educational work leading up to the actual testing. As a result, in Old Ontario the cattle owners in most counties have signed the necessary petitions and are awaiting the test. The only exceptions at the end of the fiscal year are the Counties of Kent, Frontenac, Renfrew and Welland. The work is rapidly nearing completion in these counties and it is expected that the sign-up will be completed in the coming year. Following is a summary of the results of restricted area testing in the Province to date:

Counties in which Testing was carried on during Fiscal Year 1939-40		*No. of Cattle Tested up to March 27, 1940*	*No. of Reactors*	*Per Cent Reactors*
Brant	1st general	13,254	2,084	15.5%
Dundas	4th general	6,864	172	2.5%
Durham	1st general	40,823	2,885	7.0%
Essex	1st general	8,175	724	8.8%
Frontenac	3rd general	11,328	48	.4%
Glengarry	3rd general	38,518	140	.3%
Grenville	3rd general	24,363	218	.9%
Grey	1st general	34,220	1,329	3.9%
Halton	2nd general	19,720	122	.6%
Kenora	3rd general	3,805	7	.2%
Lanark	1st general	21,560	534	2.5%
Leeds	3rd general	50,896	183	.3%
Northumberland	2nd general	35,183	125	.3%
Norfolk	1st general	1,909	253	13.2%
Ontario	2nd general	53,851	450	.8%
Peel	2nd general	22,135	229	1.0%
Peterboro	1st general	39,891	1,346	3.4%
Prescott	3rd general	40,015	152	.38%
Rainy River	1st general	8,872	83	.9%
Simcoe	1st general	47,990	1,901	3.9%
St. Joseph's Island	1st general	1,530	19	1.2%
Thunder Bay	2nd general	3,486	30	.86%
Victoria	1st general	58,471	1,578	2.7%
Waterloo	1st general	46,504	4,333	9.3%
Wentworth	1st general	19,636	1,247	6.3%
York	2nd general	54,215	688	1.3%

The Ontario Department of Agriculture pays the transportation expenses of veterinarians engaged in testing cattle under this plan.

AUCTION SALES OF PURE-BRED LIVE STOCK

Grants to assist in the financing of auction sales sponsored by breeders' clubs for the purpose of distributing high-class breeding stock were again available in 1939. Where all cattle entered in such sale are free from tuberculosis and contagious abortion, the grant amounts to $4 a head up to a maximum of $150 for any one sale. When the cattle have not been tested for tuberculosis but are free from contagious abortion the grant is on the basis of $3 per head up to a maximum of $100. In some instances shows are held in connection with sales, and in such cases an additional grant of $25 is available to supplement the prize list. Following is a report covering sales receiving assistance in 1939:

Organization	*No. of Head Sold*	*Grant Paid*
Victoria County Shorthorn Club	13	$ 52
Durham County Shorthorn Club	28	112
Brant County Holstein Club	48	150
Western Ontario Consignment Sale Co., Simcoe	36	144
Grey County Holstein Club	25	100
*North Grey Shorthorn Club	32	153
National Holstein Association	55	150
Ontario Aberdeen Angus Club	26	104
		$965

*Show held in connection with sale.

CATTLE SHOWS

Grants to special cattle shows are on the basis of 20% of the prize money paid, up to a maximum of $100 for any show.

Following is a report of shows receiving assistance in 1939:

Place	*Description*	*Amount*
Wallacetown	Beef	$ 100.00
Brant County	Dairy	100.00
Glengarry and East Stormont	Dairy	67.40
Middlesex County	Beef	64.40
Middlesex County	Dairy	100.00
Wentworth County	Dairy	100.00
Hastings County	Black and White	70.00
Halton County	Black and White	48.20
Carleton County	Black and White	68.60
Stormont County	Black and White	41.20
Dundas County	Black and White	30.40
York County	Black and White	100.00
Lanark County	Black and White	62.40
Leeds County	Black and White	62.40
Durham County	Black and White	56.80
Port Perry	Black and White	62.40
Spencerville	Black and White	60.40
Lennox County	Black and White	75.20
Picton	Black and White	44.00
Roseneath	Black and White	78.00
Lakefield	Black and White	62.40
		$1,454.20

SWINE

There have been two major developments affecting the swine industry of Canada in the past eight years. The first one took place in 1932 at the time of the Imperial Conference, when Canada and Great Britain entered into a trade agreement with respect to the export of bacon. Since the war began the British Government agreed and guaranteed to purchase 5,600,000 lbs. weekly from Canada. Great Britain has further intimated that she will purchase as much more as possible, but has given no definite guarantee covering amounts in advance of those stated above.

Early in August, Ontario packers announced that on and after August 24th they would purchase hogs on the basis of rail grade and rail weight only. This announcement was received by producers with mingled feelings of praise and protest; nevertheless, the practise has continued and is gradually becoming more popular. Producers are beginning to realize as never before the importance of marketing hogs at the proper weight. Ontario still produces more hogs than any Province in the Dominion. In 1939 Ontario marketings were 1,667,991 head, and at inspected Packing Plants marketings amounted to 1,384,996 hogs. The total inspected marketings for the Dominion were 3,628,369 head. 32.01 per cent of Ontario's hogs graded select.

Certain well-defined areas within our Province continue to produce hogs of relatively poor quality. These areas include Southwestern and Eastern Ontario. The Ontario Department of Agriculture has directed its main efforts toward improving the quality of hogs produced in those sections that are below average.

BACON HOG CLUBS

Most boars owned in the Province are maintained for public service, and exert a wide influence over the type and quality of hogs produced in any community. Departments of Agriculture realize that the best way to improve our commercial hogs is by exercising some measure of control over the type of boars used for public service, consequently they are sponsoring a policy known as the bacon hog club policy. Under the terms of this policy, boars are loaned to communities in which clubs are organized. The policy is applicable in only those sections of the Province where good boars are not readily available. This clause has been interpreted by the Departments as referring particularly to Southwestern and Eastern Ontario. The above facts are further borne out by the type and quality of hogs produced in those sections, which hogs are vastly inferior to those produced in Central and Western Ontario. The policy is administered by officers of the Ontario Live Stock Branch, with the Federal Department sharing equally in all costs excepting administration. Any money obtained from the sale or salvage of old boars is retained by the Ontario Department.

Following is a summary of bacon hog clubs up to the end of the fiscal year:

Eastern Ontario	*Clubs Formed during 1939-40*	*Total Clubs Functioning March 31/40*	*Clubs Disbanded 1939-40*
Glengarry	9	15	
Grenville	1	3	1
Leeds	9	11	
Frontenac	1	4	
Stormont	0	1	
Hastings	12	25	
Lennox and Addington	6	10	
Lanark	1	1	
Carleton	1	4	
Renfrew	7	15	

Central Ontario			
Ontario	0	1	
Durham	1	1	
Halton	2	2	
Oxford	0	1	
Grey	1	1	
North Simcoe	1	1	
Southwestern Ontario			
Middlesex	2	4	
Elgin	0	0	1
Kent	11	34	5
Lambton	6	6	
Essex	3	16	
Total	74	156	7

During the year 100 boars were purchased, some for new clubs and some for replacement in old clubs, at a cost of $3,567.25. Transportation amounted to $471.82, bringing the total cost up to $4,039.07. Since one-half was refunded by the Dominion Department, the net cost to the Province was $2,019.53.

This policy grants authority to place boars under special circumstances. This privilege has been exercised in only those districts where farmers have shown a special desire to improve the standard of their hogs, for example, in some communities farmers, and more particularly junior farmers, have displayed an inclination to purchase pure-bred sows of Advanced Registry breeding for the purpose of participating in a bacon litter competition, or of testing pigs under the Advanced Registry policy. To assist these men in becoming established in the pig business, the Departments have placed boars under the terms of the bacon hog club policy. Boars were placed under such circumstances in the Counties of Oxford, Halton, Grey and Durham. A number of farmers in Oxford County tested sows that had been mated to the club boar stationed there. The results were highly satisfactory, and as a consequence that boar is now a qualified sire.

SOW DISTRIBUTION

The bacon litter competition has been sponsored for the purpose of encouraging the distribution of good sows. Farmers signifying their intention to participate must procure pure-bred sows. Prizes are offered for the outstanding performance of these sows. Such points as size of litter, rate of gains and quality of hogs marketed are considered in awarding prizes. Three competitions were completed during the year, as follows:

County	*Number Participating*	*Number Qualifying for Prize Money*	*Cost to the Ontario Dept.*
Renfrew	12	4	$20.00
Haldimand	11	3	15.00
Simcoe	28	9	45.00

During the fall months large numbers of pure-bred sows were placed in the Counties of Leeds, Glengarry and Renfrew in anticipation of competitions being conducted in 1940-41. A number of pig clubs were formed last year where the members obtained pure-bred weanling pigs.

The Ontario Department co-operated with the Federal Department in sponsoring the brood sow policy. Extensive plans were made for placing sows following the outbreak of war. Such plans were interrupted when serious outbreaks of hog cholera occurred in various parts of the Province. Health authorities refused to permit the movement of sows from packing plants and stock yards to country points. Members of the Department then made a survey of sows available in the hands of breeders. Practically all the good pure-bred sows available during the fall months were purchased and distributed, a great many going into the three counties mentioned above. A number of sows were held by breeders, bred, and finally offered for sale at a public auction held in the County of Kent during the month of January. Forty-eight bred sows were sold in that sale at an average price of $45.25. A carload of sows was also shipped to Cochrane District, in Northern Ontario. The cost of sow distribution in the Province was shared by the Federal Department.

BOAR PURCHASES

In addition to the boars purchased for clubs organized in Ontario, members of the Live Stock Branch staff purchased or assisted in the purchase of boars for other Provinces. During the month of October two carloads of serviceable age boars were procured for distribution in Saskatchewan. In December another carload was purchased for that Province, and also a carload of younger boars for the Province of Alberta.

BACON HOG FAIRS

Following is a summary of bacon hog fairs held in the Province during the year:

Location	*Grant Paid by the Ontario Department*
Elmvale	$48.34
Cookstown	47.33
Kemptville	50.00
Aylmer	42.67
Napanee	47.00
Caledonia	50.00
Cobden	50.00

Classes for both breeding stock and market hogs were featured. Entries in the latter classes were sold by sealed tender, and in all cases the prices received were considerably in advance of those prevailing on the market at the time of the fair.

SHEEP

The sheep industry in Ontario underwent some decided changes in 1939. A brisk upturn in business appeared owing to the declaration of war. While this upturn was not at all violent, there was quite a considerable demand for breeding stock.

The Ontario Department of Agriculture assisted the Ontario Sheep Breeders to import five stud rams from England and Scotland. These were brought out in an effort to supply Ontario flocks with new blood, which has been badly needed. Suffolk, Hampshire, Southdown and Leicester rams were placed in stud service at the O. A. C., Guelph, for the use of Ontario breeders, while the Lincoln ram was placed in Western Ontario. Many breeders in the Province took advantage of this to secure new blood in their flocks.

LAMB FAIRS

During the season of 1939 lamb fairs were held at various points in the Province, principally in the northern districts. These were held in co-operation with the Federal Department of Agriculture, the purpose being to assist the sheep breeders in those areas to market a uniform type of lamb, and also to encourage co-operative marketing on a graded basis. Prize moneys were paid at each fair and were contributed on an equal basis by the Ontario and Federal Departments of Agriculture.

Clubs were formed during the past year in the Thunder Bay area, for which the Ontario Department of Agriculture purchased 11 Hampshire rams. A pure-bred Southdown club was also formed in the County of Brant, for which six Southdown rams were purchased. Following is a list of lamb fairs held in the Province, and also a list of sheep clubs to which prize money was paid:

Lamb Fairs

Barry Island	$ 30.00
Mindemoya	26.50
Manitowaning	26.50
Little Current	30.00
St. Joseph's Island	30.00
Lakehead Exhibition	30.00
Dryden	29.50
	$202.50

Sheep Clubs

Carleton County	$ 18.00
Lanark	12.00
Thunder Bay	8.00
Thunder Bay, Chamber of Commerce	8.00
	$ 46.00

ASSISTANCE TO EXHIBITORS AT FOREIGN EXHIBITIONS

The Ontario Department of Agriculture has each year given financial assistance, amounting to 50% of the freight charges, to live stock associations exhibiting at Foreign Exhibitions. Each year many of our exhibitors take advantage of such assistance. It makes possible many sales which otherwise would not take place, and it also serves as an advertising medium for Ontario live stock. This assistance was given to cattle, sheep and horse associations and amounted to $1,067.70, being divided as follows: Cattle, $607.08; Sheep, $261.59; Horses, $199.03.

SWINE CLUBS

Swine Clubs in Ontario are becoming more popular, and in 1939 were decidedly prominent in swine improvement work. Selections are made in most cases from herds where Advanced Registry work is practised. The distribution of these animals in sections of the Province where the percentage of select hogs is low has very materially assisted in improving our commercial hogs. The Durham County Swine Club was the successful winner in the inter-club competition at Guelph. This is one of the counties in which selective swine improvement work has been practised. The Ontario Live Stock Branch contributed $40 towards prizes in this competition. Following is a summary of the Swine Clubs held in the Province during 1939:

County	*Club*	*Grant*
Carleton	Richmond	$ 19.50
Carleton	Fitzroy & Torbolton	14.50
Durham	Durham	22.50
Grey	Meaford Junior Farmers	13.50
Halton	Halton	16.50
Hastings	Tweed	10.50
Huron	Clinton Lions	30.00
Ontario	Ontario	15.00
Peel	Bolton	6.50
Rainy River	Crozier	15.00
Rainy River	Emo	15.00
Rainy River	Big Fork	19.50
Simcoe	Simcoe County	19.50
Waterloo	Waterloo	30.00
		$247.50

The following is a summary of the Sheep Clubs in the Province held during 1939:

County	*Club*	*Grant*
Carleton	Carleton County	$ 18.00
Lanark	Lanark	12.00
Thunder Bay	Thunder Bay	8.00
Thunder Bay	Chamber of Commerce	8.00
		$ 46.00

The following is a summary of Poultry Clubs held in the Province during 1939:

County	*Club*	*Grant*
Frontenac	Rotary Boys' & Girls'	$ 13.00
Renfrew	Griffith & Matawatchan	20.00
Lincoln	Lincoln	13.00
Lennox & Addington	Napanee	17.00
Prince Edward	Picton	20.00
Huron	Goderich Lions	11.00
Grenville	Kemptville	20.00
		$114.00

POULTRY

Local Poultry Associations

The Ontario Live Stock Branch has been assisting Poultry men through grants to Local Poultry Associations. The following is a summary of assistance rendered during 1939:

Number of Associations holding a Show during the fiscal year	18
Number of Poultry Judges and Lecturers supplied	16
Total amount of Grants paid to Local Associations	$831.00
Total Expenditures in connection with Judges, Lecturers, etc.	$177.23

LIVE STOCK PROTECTION ACT

This Act gives protection to the owners of cattle or sheep killed or damaged by dogs. It provides the municipality or the owner with the right of appeal in cases where there is dissatisfaction with the award made by the Local Valuer. The Act is administered by the Ontario Live Stock Branch and when appeals are lodged qualified Live Stock Valuers are sent to investigate the loss and make final awards. During 1939 appeals were received from the Counties of Ontario, Perth, Halton and Dufferin.

BRANDING OF LIVE STOCK ACT

Under the terms of this Act, the Director of the Live Stock Branch is designated as "Recorder of Brands" for the Province. Since this Act was amended to include poultry, many poultry men have been taking advantage of it. It is generally believed that the branding of poultry has been a strong deterrent in poultry stealing in the Province. A total of 2,643 poultry brands have been recorded to March 31st, 1940.

LIVE STOCK ASSOCIATIONS

The office of Secretary of a number of Ontario Live Stock Associations is held by members of the Ontario Live Stock Branch. These include the following Associations:

Ontario Horse Breeders' Association.
Ontario Cattle Breeders' Association.
Ontario Sheep Breeders' Association.
Ontario Swine Breeders' Asosciation.
Ontario Yorkshire Breeders' Society.
Ontario Berkshire Breeders' Society.
Ontario Tamworth Breeders' Society.
Ontario Aberdeen Angus Breeders' Association.
Ontario Poultry Association.
Canadian Pony Society.
Canadian Shire Horse Breeders' Association.
Ontario Poultry Confederation.

The executive work in connection with these organizations is carried on by the Secretary. In addition to holding annual meetings, some of these organizations hold other meetings of a special nature during the year. Some of these events during 1939 were:

(1) The Sheep Breeders' Field Day, sponsored by the Ontario Sheep Breeders' Association, held during the month of June at the Ontario Agricultural College, Guelph.

(2) The Yorkshire Field Day, sponsored by the Ontario Yorkshire Breeders' Society, also held at Guelph during the month of June.

(3) The Aberdeen Angus Sale, sponsored by the Ontario Aberdeen Angus Association, held in London during the month of June.

(4) The Yorkshire Sale, sponsored by the Ontario Yorkshire Breeders' Society, held this year at Dresden in Lambton County, owing to the cancellation of the Royal Winter Fair.

ONTARIO PROVINCIAL WINTER FAIR

Owing to the outbreak of war, the Ontario Provincial Winter Fair which has been held in the City of Guelph each year, was cancelled. The home of the Fair was taken over by the Militia, with the result that other arrangements had to be made. In an effort to accommodate live stock exhibitors who had fitted commercial cattle, sheep and swine, a "Commercial Live Stock Show" was held at the Union Stock Yards, West Toronto, under the management of the Ontario Provincial Winter Fair. This Show was merely for the purpose of selling to advantage the animals which had been fitted for both the Royal and the Guelph Winter Fairs. The Live Stock Sale at the Show brought a total of $26,966.62. The Union Stock Yards assisted very materially in making this Show a success. Accommodation was provided and every assistance possible was given by the management of the Stock Yards. The actual prize money paid out at this Show was $2,236.

A "Seed Show" was also held under the auspices of the Ontario Provincial Winter Fair in the King Edward Hotel, Toronto, during the week of February 12th. This Show was sponsored to provide an outlet for the seed men who were formerly dependent on the Winter Fairs for a place of sale. This Show was quite successful and very much appreciated by the seed men of Ontario.

WOMEN'S INSTITUTE BRANCH

ORGANIZATION

Thirty-eight Institutes were organized and 19 disbanded, making the present number of active Institutes 1,391 (including 96 Junior Institutes) with an approximate membership of 40,300.

District Annual Meetings

Annual meetings were held in 98 districts, with a total attendance of 11,385. A representative of the Women's Institute Branch was present at each meeting to assist in planning the home economics programme.

Conventions

Thirteen area conventions were held, with a total attendance of approximately 4,035, the majority being delegates from Institutes or districts. A representative of the Women's Institute Branch attended each convention, as did the President of the Federated Women's Institutes of Ontario. Several of the areas were privileged to hear Mrs. Alfred Watt, O.B.E., London, England, President of the Associated Country Women of the World. Seven areas gave special prominence of Health, featuring Cancer Control. They were indebted to the Society for the Control of Cancer for the presentation of this subject by doctors who are making a special study of cancer.

FEDERATED WOMEN'S INSTITUTES OF ONTARIO

The Provincial Board met in April and November. The officers for 1939-40 were as follows:

Honourary President	Her Excellency The Lady Tweedsmuir
Honourary Vice-Presidents	Miss Mary A. Clarke, Supt. Women's Institutes
	Mrs. T. J. McDowell, Milverton
President	Mrs. Ernest Duke, Port Carling
Vice-Presidents	Mrs. D. Porter, Pembroke
	Mrs. J. H. McCulloch, R. R. 2, Brampton
	Mrs. J. R. McLachlin, Kingsville
Secretary-Treasurer	Mrs. W. B. Leatherdale, Coldwater

The Federation has been honoured by having The Lady Tweedsmuir act as Honourary President and regrets the loss of an enthusiastic supporter and inspiring leader, occasioned by the return of The Lady Tweedsmuir to England.

The Treasurer's Annual Report showed receipts of $7,946.47 and disbursements of $4,750.17, with a balance of $3,196.30.

The War Charities Fund

In January 1940, the Federated Women's Institutes of Ontario established a Central Fund for War Charities, in accordance with the War Charities Act (Ottawa). This fund is to be used (1) to assist Institutes in outlying districts, or those which are unable to raise funds locally, by supplying them with wool or other material for war work, (2) to contribute gifts of money or equipment to meet bona fide appeals, and (3) to provide a reserve fund which will be quickly available in the event of emergency or disaster. This fund is administered by a special committee.

By an appeal to Institute members only for a contribution of 5 cents each, the sum of $1,147.83 was raised by March 31, 1940.

Committees

Standing Committees continue to function and Special Committees have been appointed to investigate phases of special war work.

Special War Work

Most of the Institutes are co-operating with the Canadian Red Cross Society in their activities for the relief of suffering and the promotion of health. Others are co-operating with the Navy League, the Salvation Army or the I.O.D.E. Thirty-two Institutes have registered under the War Charities Act. It is regrettable that figures cannot be secured to record the contribution which rural women will make through agriculture to Canada's war effort.

Scottish Rural Women's Institutes

A group of 60 members of the S.R.W.I. toured Southern Ontario between July 29 and August 7, 1939. They visited several Institutes en route, but were particularly enthusiastic about their visit to Stoney Creek, which they considered "a pilgrimage."

Foreign Affiliations

Correspondence has been arranged through the Women's Institute Branch with Institutes and similar organizations in other Provinces of Canada and in other countries, as follows: Australia, 20; England, 35;

New Zealand, 32; Scotland, 7; South Africa, 4. Since the outbreak of war the Federation of British Women's Institutes has made a special appeal for "Letter Friends" to counteract the effect of war in narrowing horizons and to help prevent the feeling of isolation.

Putnam Memorial Fund

Through this fund, which is furnished by the Federated Women's Institutes of Ontario and administered by the Women's Institute Branch, 18 bales, with an approximate weight of 1,865 pounds, were sent to various parts of Northern Ontario. Fewer appeals for aid have been presented than for the past three years, due, in part, to the fact that fewer homes have suffered from forest fires.

CO-OPERATIVE PROGRAMME IN HOME ECONOMICS

The Women's Institute Branch continues to be responsible for an educational programme to promote efficient homemaking. As in previous years, provision was made for the study of each of the following: Clothing and Textiles, Foods and Nutrition, Health Education, Home Crafts, Housing, and Administrative Leadership. Instruction was given through local leader training schools, three-day and five-day short courses, speaker service and officers' rallies.

Because the programme year (July 1 to June 30) does not coincide with the fiscal year, it is difficult to give a clear and accurate picture of the work accomplished through the Co-operative Programme. But some idea of what has been done may be gathered from the reports presented by the home economics instructors.

CLOTHING AND TEXTILES

Local Leader Training Schools

	Buymanship	*Care of Clothing*	*Kitchen Ensemble*	*Total*
Number of Districts	6	4	1	11
Number of Leaders	39	31	6	76
Leaders Reporting Work Completed	17	14	6	37
Number of Meetings Held by Leaders	54	45	43	142
Number of Women Contacted	806	1,214	47	2,067

Summary Days of the Kitchen Ensemble project conducted the previous year were held in five districts, with an attendance of 228. Leaders reported 311 women received instruction. Of these 124 were inexperienced sewers. Some 278 dresses and 230 aprons were completed, with 191 dresses and 168 aprons on display at the Summary Days.

Speaker Service: Ten meetings were held in three districts on the subject "The Well-Groomed Woman," with an attendance of 836.

Short Courses: Eight five-day courses in "The Use of Commercial Patterns" and 12 in "Remodelling" were held, with a total enrolment of 247.

FOODS AND NUTRITION

Local Leader Training Schools

	Fruits for Food and Flavour	*Fruit Preservation*	*Meat Cookery*	*Milk and Cheese*	*Vegetable Cookery*	*Total*
Number of Districts	7	7	24	1	4	43
Number of Leaders	172	110	427	13	61	783
Number of Institutes Represented	87	58	215	7	32	399

Literature sent out indicates that 12,926 women have received instruction or information in some form.

Summary Days following training schools of the previous year were as follows: "Meat Cookery" in six districts. with 58 Institutes represented and an attendance of 694; "Vegetable Cookery" in six districts, with 53 districts represented and an attendance of 426; "Preservation of Fruits" in two districts, with 23 Institutes and an attendance of 86.

Speaker Service: Sixteen meetings on "Feeding the Family for Health" were held in three districts, with a total attendance of 618; and four meetings on "Table Setting and Home Service," with a total attendance of 130.

Home Demonstrations: Pamphlets outlining home demonstrations in "Relieving Constipation" and "Gaining Weight" were sent to 75 individuals who asked for this service.

Short Courses: Twelve three-day courses in "Meal Planning" and 20 five-day courses in "Meal Planning and Preparation" were held, with a total enrolment of 711.

Research in Food Preservation: The research in food preservation, begun in 1938 by a member of the Women's Institute Branch staff, co-operating with Macdonald Institute and the Department of Horticulture, O.A.C., was continued during the summer and fall of 1939. As a result of this, a bulletin, "Conserve by Canning," has been completed for publication in May 1940 by the Statistics and Publications Branch.

HEALTH EDUCATION

Speaker Service: Forty-six meetings on various phases of Health Education were held in 11 districts, with an attendance of 1,927.

Short Courses: Nineteen five-day courses were held, with an enrolment of 333. The Canadian Red Cross Society certificate in Home Nursing is presented to class members on the completion of this work.

HOME CRAFTS

Local Leader Training Schools

	Home Utilization of Wool	*Leather Glove Making*	*Quilts and Quilting*	*Total*
Number of Districts	5	15	3	23
Number of Leaders	49	117	47	213
Leaders Reporting Work Completed	31	55	9	95
Number of Women Taught	650	571	109	1,330

Reports indicate that 776 pairs of gloves were made.

Summary Days following last year's training schools were held as follows: "Home Utilization of Wool" in one district, attendance 100; "Quilts and Quilting" in six districts, attendance 894.

Short Courses: Fifty-four five-day courses were held in "Needlecraft," four in "Home Utilization of Wool," 19 in "Hooked Rugs" and one in "Block Printing," with total enrolment 1,229.

HOUSING

Local Leader Training School: Five training schools in "Refinishing Furniture" were held, with 33 leaders in attendance. The 12 reports received show 72 women taught and 67 pieces of furniture refinished. Summary Days following the work of the previous year in "Refinishing Furniture" were held in six districts, with an attendance of 180.

Home Conferences: Return visits were made to 14 centres, where instruction in "Home Arrangement" was given last year. The total attendance was 203. Two district meetings were held, with an attendance of 100.

ADMINISTRATIVE LEADERSHIP

Officers' Rallies: Fifty-three districts held officers' rallies, with 488 Institutes represented and total attendance 1,991.

Speaker Service: Ten meetings in "Parliamentary Procedure" were held in one district, with attendance 287.

JUNIOR EXTENSION PROGRAMME IN HOME ECONOMICS

Homemaking Clubs

Training schools were conducted by the Home Economics Coaches in the following Units:

Name of Unit	*No. of Schools*	*No. of Clubs*	*No. of Members*
Being Well Dressed and Well Groomed	7	45	298
Clothes Closets Up to Date	3	16	47
Cotton Accessories for the Club Girl's Room	1	3	9
Cottons May Be Smart	9	41	201
Dressing Up Home-Grown Vegetables	6	28	183
Garden and Canning	19	45	172
Meat in the Menu	10	67	310
Sleeping Garments	31	182	834
Summer Clothes for Girls	2	10	36
The Club Girl Entertains	27	218	1,766
The Milky Way	4	15	65
	119	660	3,321

As a result of the schools in the spring of 1939 and those held in the previous fall and winter, 2,804 club members exhibited at 52 county Achievement Days in the summer of 1939, and 185 at special Garden and Canning Club Achievement Days held in the summer and fall of 1939.

At the four Provincial Grade A Fairs, 493 girls from 49 counties exhibited club work. At the 12 Grade B Fairs, 654 girls from 43 counties exhibited.

One unit, "The Club Girl Entertains," was added to the homemaking club programme for the fall and winter of 1939-40. Twenty-seven training schools were held in this unit, resulting in 218 clubs, the largest number of clubs to carry on the same unit at the same time since the inception of homemaking club work, in 1935.

During the winter of 1939-40, 433 clubs were carrying on with 2,951 active members.

Winter Short Courses

From November 1939 to March 1940, 43 one-month courses in Home Economics were held in conjunction with courses in Agriculture organized by the County Agricultural Representatives. In every course Foods and Nutrition were taught and, in addition, Health Education was included in 14 courses and Clothing in 17. The total enrolment was 1,194, with an average attendance of 21.

Special two-week courses were held in four centres, with an enrolment of 104 and an average attendance of 20.

Girls' Conference

In May 1939, the fourteenth annual conference of rural Ontario Girls was held at the Ontario Agricultural College, Guelph, with 446 in attendance. This conference is organized and carried on by the Women's Institute Branch co-operating with the staff of the College.

GENERAL ACTIVITIES OF THE WOMEN'S INSTITUTE BRANCH

Staff Conferences

Two staff conferences were held during the year. In December 1939, the home economics coaches met for three days to plan the junior programme for the year. In March 1940, the staff of speakers for district annual meetings in 1940 met to discuss the presentation of the Co-operative Programme in Home Economics at these meetings.

Packet Loan Collection

To assist members in the preparation of programme material during the past year, 881 Institutes were served with information on such subjects as: Education, Health and Child Welfare, Legislation, Canadianization, and Home Economics.

Distribution of Literature

Four issues (168,000 copies) of "Home and Country," financed by the Women's Institute Branch and the Federated Women's Institutes of Ontario, were printed and distributed free of charge to each Institute member.

A bulletin on conservation of fruits and vegetables, prepared jointly by the Home Economics staff of Macdonald Institute, Guelph, and the Home Economics Department of the Kemptville Agricultural School, and the Women's Institute Branch, was made ready for distribution in May 1940.

Other literature printed during the year included the Co-operative Programme in Home Economics for 1940-41 and the revision of the leaflets on Fruits, Vegetables and Salads.

New mimeographed material was prepared for distribution to leaders and members of the senior clothing project "Lingerie," and in the junior clubs, "The Club Girl Entertains."

Correspondence

In addition to 90 circular letters with a circulation of about 27,760, approximately 17,000 letters were sent out during the year.

Legislative Grants

The total amount disbursed as grants to districts and to Institutes, which asked for this service and had met the necessary requirements, was $6,229.50. Of this amount $3,766.50 was paid to districts and $2,463.00 to Institutes.

CO-OPERATION WITH OTHER ORGANIZATIONS AND AGENCIES

The Women's Institute Branch wishes to acknowledge the assistance given so generously by other Branches of the Department of Agriculture, especially the Ontario Agricultural College and Macdonald Institute, the Agricultural Representatives Branch, the Fruit Branch and the Agricultural and Horticultural Societies Branch.

The Women's Institute Branch co-operated with the Agricultural Representatives Branch and the Horticultural Societies Branch by providing a lecturer on "Beautifying the Home With Paint" for a series of 12 meetings on Home Beautification in Carleton County, having an attendance of 892 men and women.

With the co-operation of Macdonald Institute and the Ontario Agricultural College, a two-day school for judges of Home Section exhibits at fall fairs was held at the College. There was an enrolment of 44. Instruction and limited practice in judging were included. Assistance was given by members of the Women's Institute staff at the Women's Section of the Agricultural Societies Convention in Toronto, and at several district meetings of the Agricultural Societies.

Co-operation has been continued with such organizations as the Ontario Association for Adult Education, Canadian Red Cross Society, Canadian Welfare Council, Ontario Society for Crippled Children, Canadian Association for Prevention of Tuberculosis, St. John Ambulance Association, Canadian Institute for the Blind and the Canadian National Exhibition.

OUTLOOK

The primary function of the Women's Institute Branch is still to provide an educational programme in homemaking. Our continued objective is to maintain high standards of home life, remembering that homes exist primarily for the promotion of satisfying home life and the development of every member of the family.

The outbreak of the war has, of necessity, affected our viewpoint. Special emphasis has been placed on two phases of homemaking — good nutrition and the conservation of all goods. The Women's Institute programme should be sufficiently elastic that it may meet the unforeseen demands which will be made upon Ontario women during war-time.

FRUIT BRANCH

Following a normal winter and light crops of several of our tender fruits in 1938, expectations were for larger crops, particularly of peaches and grapes, in 1939. The completed figures as issued by the Statistics Branch show substantial increases in strawberries, peaches, grapes and apples, with slight decreases in pears, plums and cherries. Increased plantings in peaches and apples are beginning to show in these statistics as the new orchards come into bearing, and marketing problems will increase unless even larger quantities are absorbed by the processing industry.

The vegetable season was favourable for production of one of the best crops in years. Demand for processing was lighter in some lines and the acreage under contract was considerably reduced, particularly in tomatoes. The late canning season was stimulated by the war situation and as a result a good clean-up was made of all field tomatoes. The winter market was also much better for carrots, potatoes, etc., which will probably result in heavier plantings of these crops.

During the height of the tender fruit shipping season, the outbreak of war, with the unfortunate sugar situation that followed, disrupted markets to such an extent that prices were disastrous. The processing schemes under the Farm Products Control Act helped save the situation as prices for the main canning crops were stabilized earlier in the season and the canneries absorbed a large percentage of the crop.

With a particularly heavy crop of grapes, fresh fruit prices were low and the situation was aggravated by the buying on behalf of the distilling interests of large quantities at prices much lower than for wine purposes. Growers reported that some sales for the wineries were made contingent on the furnishing at reduced prices of a certain percentage for distilling, both deliveries being made to the same plant.

Accurate figures are now available of the total amounts of both fruits and vegetables used by the various processing interests. The Statistics Branch reports that, despite lower unit values in many lines, there were increases in gross values over 1938. Totals were $3,730,179 in vegetables and $2,080,873 in fruits, the largest item being tomatoes, with beans, grapes and peaches in order of importance. About 550 million pounds of produce were delivered from the farms to the factories.

Orchard inspection was continued in co-operation with the Federal Department of Agriculture, the fall work just starting when war broke out. As no information as to exports was available, the inspection was completed with the hope that part at least of the crop could find an outlet in Great Britain. The great bulk of the export varieties were found free of apple maggot and, despite the partial embargo enforced against both Canada and the U.S.A., finally found a market in Great Britain to the extent of over 60,000 barrels.

The commercial apple crop again showed an increase, being over the million barrel mark, the figure attained previous to the disastrous freeze of 1933-34. With large plantings during this period not yet in bearing, the prospects are for a further increase in coming years. Outside altogether of the situation caused by the war, it would be a wise policy for our growers to eliminate the older trees and undesirable varieties from their orchards.

The zoning of our markets for apples by the Federal Government, together with the advertising carried on, successfully disposed of the 1939 crop even if early prices were quite low. The advertising arranged by the Ontario growers themselves in the spring cleared up what looked like a surplus of Spies from the 1938 crop, while the radio and other publicity arranged by the growers and dealers during the fresh fruit season also helped materially with the disposal of the various fruits and vegetables.

Inspection of nurseries under the Plant Diseases Act was intensified so as to complete the list of such firms carrying on business and to see that their stock complied with the regulations required both for local and inter-provincial markets. There are now registered 96 nurseries and a further 12 are under inspection with a view to having their premises also licensed.

During the summer, the cold storage plant at Brighton was repaired by the Public Works Department. A new roof on the entire building was found necessary and this allowed of a change in the height of one room, increasing the storage capacity and permitting of better storing of the fruit therein. The building was again filled to capacity as was the nearby storage at Trenton. With the coming into bearing of many new plantings of McIntosh and Spy in Northumberland and Durham, there will undoubtedly be a shortage of refrigerator space for apples soon in the district east of Toronto.

Owing to the above conditions, it was necessary to arrange for storage of considerable quantities of apples in Montreal and subsequently to look after the same as to condition. Our staff carried out the necessary work and assisted later in the disposal of the fruit for export and on Montreal market.

The vegetable field man covered all parts of the Province in as far as time would permit. Meetings of local units of the Vegetable Growers' Association, together with judging of the crop competitions carried on by the members, formed the greater part of the work. Judging of gardens and field crops and lectures on home gardens to Horticultural Societies, Women's Institutes and Agricultural short courses were included in his activities.

Among other lines of work were lectures on the Reserves, arranged by the Federal Department of Indian Affairs. Great interest is being shown by the residents of these Reserves in their gardens. Similarly, community and veterans gardens are now being carried on in a great many localities and as a result of recent legislation relief gardens have been added. The Department has furnished the services of its Vegetable Specialist to advise on many of these projects.

CROPS, SEEDS AND WEEDS BRANCH

The activities of this Branch during 1939 consisted of the installation and supervision of seed cleaning plants; administration of the Weed Control Act; experimental work with chemical weed killers; demonstrations with chemicals; registration of threshing machines; purchase and shipment of seed grain to Northern Ontario; administration of the lime subvention policy; advertising and payment of prize money to Ontario exhibitors at the International Grain and Hay Show, Chicago; tests with seed treaters and fanning mills; publication of a new weed bulletin; chemical pamphlet and pamphlet on the hulling of clover; payment of grants to district and county seed fairs; maintenance of a Secretary-Treasurer's office for the Ontario Crop Improvement Association; organization of Branches of the Association; assistance at seed fairs; and annual meeting and seed display.

SEED CLEANING PLANTS

Under the seed cleaning plant subvention policy, Federal and Provincial assistance in the form of a grant is available to any person, group of persons, organization or company who install a seed cleaning plant. This grant may be paid on 50% of the invoice price of machines, plus 50% of the freight, not to exceed $500.00 in any one case. Certain provisions must be complied with in order to qualify for this grant.

New seed cleaning plants were installed during the year at Chesley, Honeywood, Alvinston, Bowmanville, Belleville and Napanee.

Eighty-nine plants have been installed to date. The following is a brief summary of the work done by these plants during the past five years:

	Bushels Grain Cleaned	*Pounds Clover and Grass Seeds Cleaned*	*Farmers Served*
1934 - 1395	347,738	3,019,904	7,241
1935 - 1936	515,954	4,219,568	9,070
1936 - 1937	722,795	4,499,128	11,794
1937 - 1938	761,976	2,687,842	12,137
1938 - 1939	787,194	4,975,941	15,550

TESTS WITH SEED TREATERS

In co-operation with the Ontario Agricultural College, tests were conducted with six seed treaters which are recommended for the treatment of seed with mercury dust, the object being to determine the efficiency of the various machines on the market with a view to being in a position to recommend one or more machines which may be used by individual farmers and also included as part of the equipment in central seed cleaning plants. Samples of seed were sent to the Botany Division, Central Experimental Farm, Ottawa, before and after treatment for pathological tests. Reports regarding the results of the tests, together with suggestions regarding how the machines might be improved, were sent to each manufacturer. Improvements have been made to the various machines which have improved their efficiency and it is expected that definite recommendations will be made in the near future.

LIME SUBVENTION POLICY

The lime subvention policy between the Provincial Department of Agriculture and the Canadian National, Canadian Pacific and associated railways was continued. Under the policy, the railways have agreed to reduce the freight 25% on carload shipments of agricultural limestone. The Provincial Department of Agriculture pays 50% of the reduced freight, the maximum grant being $1.00 per ton.

The following amount of limestone was moved under the policy during the past two years:

1939 — Number of Cars, 100; 3,354.70 tons of Limestone
1938 — Number of Cars, 130; 4,471.12 tons of Limestone

a reduction of 30 cars.

DISTRICT SEED FAIRS

Three district seed fairs were held during the year.

A crop meeting, a judging competition and a seed sale were held at each of these district fairs. Several educational exhibits were set up at each fair, including one from this Branch of the Department of Agriculture. These fairs gave all interested in crop production and crop improvement an opportunity to discuss their problems; to see what could be produced in the district; to dispose of their surplus seed and to purchase their seed requirements. The quality and quantity of exhibits and attendance at each fair was most gratifying.

ONTARIO CROP IMPROVEMENT ASSOCIATION

The Ontario Crop Improvement Association, which was reorganized two years ago, had a successful year, with 23 Branches organized during the year, bringing the total to 40. Some 74 projects were conducted in 1939.

During the spring months 14 seed fairs were held by Branches of the Association, 1,617 exhibitors entered 2,753 samples representing 58,960 bushels of seed for sale; 12,185 attended these fairs and crop meetings, which formed part of every fair.

Total number of Projects conducted in 1939	74
Number of Seed Fairs and Seed Displays held in 1939	14
Number of Seed Fairs and Seed Displays held in 1940	28

The annual meeting in Toronto was the best in the history of the organization. A seed display in connection with the meeting consisted of representative quantities of seed for sale. Information regarding the growth of the display may be obtained from the following figures:

	1939	*1940*
Number Participating	50	186
Number of Samples	105	328
Bushels of Grain for Sale	31,910	81,683
Pounds of Small Seed	14,200	34,400
Bags of Potatoes		14,495

ADMINISTRATION OF THE WEED CONTROL ACT

Considerable progress was made in the eradication and control of weeds during 1939. Approximately 1.000 weed inspectors were appointed by the municipal councils throughout the Province. Six District Weed Inspectors were appointed by the Department of Agriculture, their duty being to supervise the work and to co-operate with all concerned in the administration of the Act.

Information and supplies in connection with the work were sent out to all municipal weed inspectors from this office.

This Branch endeavoured during the year to make the general public more weed conscious. Our District Weed Inspectors discussed weeds and weed control at short courses, seed fairs, crop meetings and weed meetings. County and municipal councils were visited. A timely article on "The Weed of the Week" appeared in the press during the summer months. An educational exhibit on Field Bindweed, Clover Dodder and Leafy Spurge was set up at several seed fairs. Public opinion regarding weed control is becoming more favourable each year.

Clover Dodder, Perennial Sow Thistle, Wild Carrot, Bladder Campion, Chicory, Leafy Spurge, Cypress Spurge, St. John's Wort, Hawkweeds and Blue Weed are considered as being our worst weeds in the Province.

Indifference on the part of some municipal councils regarding the administration of the Act, and appointment and payment of inspectors constitutes one of our greatest problems.

During the year 7,085 threshing machines were registered under this Act; 4,807 of this number were registered as being for hire, 2,278 as being not for hire.

CHEMICAL WEED KILLERS

Much more interest was shown in chemical weed killers in 1939. Thirty-six county demonstrations were conducted throughout the Province. This Branch paid for rental of sprayers and purchase of material for each of these demonstrations and also supervised the work, the object being to stimulate more interest in this method of eradicating weeds, particularly from roadsides.

Some 2,800,000 lbs. of Stephen Weed Killer, a new patented preparation controlled in Ontario by the Province, was used, in addition to considerable Atlacide and Sodium Chlorate. Twelve new power sprayers were purchased by various counties and municipalities; 18 sprayers were rented and it is estimated that approximately 125 municipalities used this means of eradicating roadside weeds.

Some 10,000 chemical pamphlets were distributed and a talk was given over CBL the latter part of June on chemical weed killers.

Experimental work is being continued by the Branch at the Ontario Agricultural College with a view to making available a chemical which will be effective and cheap and which can be put up ready mixed in small quantities.

PURCHASE OF SEED GRAIN FOR NORTHERN ONTARIO

The purchase of seed grain for Northern Ontario was undertaken by this Branch. The districts of Kenora, Rainy River, Thunder Bay, Algoma, Sudbury, Nipissing, Temiskaming, Manitoulin and the counties of Victoria and Renfrew were included under the policy.

All the grain purchased was graded in accordance with the Canada Seeds Act and no seed grain lower than a No. 1 grade for purity and germination was distributed, with the exception of grain which graded No. 2 on account of the presence of other cultivated grains and color. The Plant Products Division, Production Service, co-operated in the grading of this seed. The distribution was taken care of by Agricultural Representatives in their respective districts.

District	No. of Settlers			No. of Bags Distributed					
	Receiving Seed Grain	Paid Cash	Promissory Note	Barley	Oats	Wheat	Potatoes Peas or Gr. Seed	Total Cost of Seed and Distribution	Amount Cash Received
Algoma	130	91	39	290	523	....	...	$ 1,089.75	$ 423.58
Cochrane N.	454	103	320	129	1456	25	1402 pot. 49 peas 268 gr.	9,792.02	2,345.10
Cochrane S.	81	23	58	20	248	15	210 pot. 2 peas 19 gr.	1,378.50	168.70
Cochrane W.	474	107	367	106	1023	25	1100 pot. 9 peas 313 gr.	7,320.47	1,178.45
Kenora	30	1	29	67	142	...	...	298.80	6.30
Manitoulin	28	12	16	99	59	....	...	281.45	93.60
Muskoka & P.S.	196	45	151	227	1640	8	5 peas	3,587.60	733.00
Nipissing	127	6	121	199	1103	8	2 peas	2,529.85	79.70
Rainy River	123	2	121	539	539	....	.....	1,845.52	....
Sudbury	81	2	79	150	499	....	....	1,337.71	16.15
Temiskaming	48	1	47	100	327	....	....	875.82	10.80
Thunder Bay	79	...	79	279	517	....	....	1,367.30	....
Totals	1851	393	1427	2205	8076	81	2712 pot. 67 peas 600 gr.	$31,704.79	$5,055.38

NOTE: Oats were distributed in 3-bushel bags; barley, wheat and peas in 2-bushel bags; potatoes in 75-pound bags, and grass seed in 50-pound bags.

INTERNATIONAL GRAIN AND HAY SHOW

This Branch undertook to stimulate interest in this show among growers throughout the Province. Circular letters and prize lists were distributed. Exhibits were collected at the Ontario Agricultural College, Guelph, and the Department of Agriculture, Essex, and forwarded to Chicago.

Some 103 entries were sent from Ontario, including 63 of grain and 40 of corn. Ontario exhibitors won 70 prizes, including 10 firsts and 6 championships. Total prize money paid by Ontario was $360.

GENERAL CROP IMPROVEMENT PROGRAMME

The following educational exhibits were set up at several district and county seed fairs, also at the International Plowing Match and King Edward Hotel during Convention Week: "Seed Cleaning Plants"; "Pasture Improvement"; "Smuts of Cereals"; "Fanning Mill Screens"; "Ontario Prize Winning Samples at Chicago."

Seed cleaning demonstrations were attended in several plants and demonstrations on the reconditioning of the fanning mill were conducted at several seed fairs and crop meetings.

Crop meetings in fields and halls were attended in several counties and conferences of seed cleaning plant operators were held at the following points: Ridgetown, Guelph, Belleville and Kemptville.

Timely news articles on crop production and crop improvement were forwarded to the press from time to time during the year. Some 10,000 hay pasture posters were printed and distributed and a pamphlet on reconditioning the fanning mill was given wide distribution.

THE CO-OPERATION AND MARKETS BRANCH

The activities of the Branch are devoted to finding new and larger markets for farm products to take care of expanding production; to improving distribution and marketing methods as now generally adopted and to getting greater net returns for the primary producers.

In Northern Ontario and in Northwestern Ontario this work is being undertaken by Marketing Promoters located at New Liskeard and at Port Arthur, respectively. These Marketing Promoters serve the farmers in their respective districts by giving guidance in the crops to produce and by finding outlets for the surplus products.

Temiskaming and Cochrane Districts

The sales of local grown farm produce during the year under review were much below the volume of the year previous and while prices were slightly higher the farmer's income was lower. Only 12 carloads of hay were shipped, compared with some 50 to 200 carloads each winter during the three years previous. The Marketing Promoter at New Liskeard has encouraged feeding more live stock as an alternative market for grain and fodder crops grown locally. An improved price for live stock has been reported.

The reputation of Northern grown seed grain and of clover and grass seeds has been maintained by insisting on a rigid inspection at the three seed cleaning plants.

Potato crops varied widely. On suitable soil excellent yields of good quality tubers were grown, whereas much of the crop on unsuitable soil types proved disappointing and Eastern potatoes had to be shipped into the area to meet the demand.

Raising of more live stock is now in evidence but the local abattoir has been forced to close down, which may tend to discourage the raising of live stock.

The Marketing promoter, on request, has acted as local fruit and vegetable inspector. Much time was devoted to promote producer owned and controlled buying and selling organizations.

The following illustrate the varied types of organization set up:

New Liskeard Milk Producers,
Noranda Milk Shippers,
Temiskaming Canning Co.,
Timmins Farmers' Market,
Cochrane Grading Plant,
Producers' Co-operative, Charlton,
Producers' Co-operative, Matheson,
Cheese Factory Patrons' Association, Cochrane.

Rainy River, Thunder Bay and Kenora Districts

Much progress has been made during the year in the production and marketing of farm products in these districts. An agricultural consciousness has developed in rural and urban areas. Farmers are changing their production to those commodities which are required for local consumption. Farm crops are being marketed to a greater extent through live stock products. There has been a marked improvement in the proper preparation of products for market, and farmers seem to realize more than ever before that quality counts.

Many contacts, made between producers and consumers in former years, have been followed up. New contacts were made for farm products to the value of $21,346.27. Many contacts were also made for goods, which were not followed up and reported.

One hundred and three farmers in Kenora area signed contracts to grow malting barley. Eleven thousand bushels were marketed to the company and in addition large quantities obtained for feeding purposes. The project is being continued in 1940 and is also being extended to Thunder Bay District.

Assistance was given in marketing clover seed and satisfactory outlets secured.

Attention was given to the City Markets and all report a record season.

A survey was made of camp requirements for farm products and information passed on to interested parties.

As Milk Control Board Representative, 54 investigations and reports were made. Five prosecutions took place in the area.

Old Ontario

Throughout the year members of the Branch have attended numerous meetings seeking to encourage primary producers to organize for marketing as well as for the purchase of needed supplies. Some contacts have been made with existing co-operatives in an endeavour to have improvements made in the business administration of the companies.

The Assistant Director has again been appointed Secretary-Treasurer of the Fruit Growers' Association of Ontario and of the Ontario Vegetable Growers' Association. This contact has kept the Branch closely in touch with producers' problems of which in more recent years marketing has been one of the more pressing.

Thedford Cold Storage Co. Ltd.

This company was in arrears of interest and principal on a loan payable to the Provincial Treasurer and the Government was forced to take over the property of the company to protect its interests and operate the plant for the benefit of the producers of celery and apples in the Thedford district.

Certain repairs had to be undertaken to put the equipment in good running condition and it was deemed advisable to rearrange the storage chambers by providing three pre-cooling rooms for handling the celery. This work was completed in time to handle the crops before severe weather set in. The commodities stored comprised 18,347 crates celery, 2,837 hampers apples and 46 hampers lettuce. General satisfaction has been expressed regarding the operation of the plant during the past winter. Confidence largely has been re-established and in the course of time the growers may be able to unite and co-operatively market their products.

Potato Fieldman

Extension work in disease control by demonstration plots by holding meetings and by circulation of pamphlets and other literature has been undertaken by the Potato Fieldman on this Branch. Efforts have been made to develop markets for seed potatoes and for table stock potatoes.

Practically all the fully certified seed grown in the Ontario section was purchased by growers for planting. A large portion of the crop that passed field inspection for Certification but was not graded to the standard of Certified Seed was also purchased for planting. This grade, when treated, made very good seed for commercial crop production. In the spring and fall of 1939 and in February 1940 five cars of Certified Katahdins were shipped to New Brunswick and British Columbia, which proved satisfactory. United States buyers were quite anxious to buy all the Certified Chippewas that had been produced in Ontario but none were shipped out of the Province and practically all of that variety produced in 1939 were purchased for planting in 1940.

Interest in the larger use of Certified seed was stimulated by illustrating to growers the losses they were sustaining by producing crops containing high percentages of disease. This was done by showing to growers the amount of disease in their fields as compared with disease-free crops, and by addresses at meetings explaining the detrimental effect that diseased table stock has on the market.

Disease Control and Varieties

With the introduction into Ontario of the Katahdin and Chippewa varieties the percentage of bacterial and virus diseases and also Late Blight Rot has been greatly reduced. But these two varieties are more susceptible to common scab which is causing some trouble and experiments are being conducted this season for control of this disease.

The Netted Gem (Idaho Baker) has been planted to a greater extent than formerly and some satisfactory crops were produced last year. The acreage in this variety will be slightly increased this year.

FARM PRODUCTS CONTROL BOARD

Under the Farm Products Control Act, the Farm Products Control Board is given authority to create and supervise the operation of local boards for regulating the marketing of designated farm products. The two chief features of the Act are, briefly:

(1) Provision to enable those who produce and market farm products to constitute marketing machinery of their own through which they may regulate the movement, direct the sale and determine the practices that shall prevail in the distribution of such products.

(2) Provision for the investigation of marketing conditions and practices in connection with any designated farm product.

LOCAL BOARDS ESTABLISHED UNDER THE FARM PRODUCTS CONTROL ACT TO MARCH 31st, 1940

The Ontario Cheese Producers' Marketing Board: As reported last year, this was the first local board established under the Act. The purpose of the scheme is:

(1) To require all cheese to be sold in Ontario on local cheese boards under uniform rules and regulations;

(2) To defray the necessary expenses of the local board by a service charge of five cents per one hundred pounds of cheese marketed.

The extent the local board has achieved its aim and object of stimulating competition in buying cheese is evident from the figures that for the year under review 93.14% of the cheese graded in Ontario was sold on local cheese boards, whereas only 36.60% of the cheese graded was sold on local cheese boards in 1935, the year operations commenced.

Approximately 87,212,341 lbs. of cheese were made in Ontario in 1939 from milk shipped by some 20,000 farmers; an increase in production of 1,252,418 lbs. from 1938.

The Ontario Peach Growers' Marketing Board: Some 611 growers sold 8,557 tons of peaches for processing in 1939, which had a money value of $374,402.44. This was a substantial increase from the 5,157 tons of peaches sold by 460 growers for processing in 1938, which had a money value of $251,298.95. The 1929 negotiated minimum price was 2½c per lb., compared to 2$\frac{7}{16}$c per lb. in 1938. Subsequently "V" type peaches were reduced to a minimum of 2c per lb. this year for all deliveries after September 4th. Processors' tonnage of peaches from their own farms is not included in the above figure.

Peaches for the wholesale and retail fresh fruit trade are exempt from the plan.

The Ontario Asparagus Growers' Marketing Board: Approximately 600 growers sold 2,070,922 lbs. of asparagus for processing in 1939, which had a money value of $172,608.53. This compares with 1,241,035 lbs. of asparagus sold for processing in 1938, which had a money value of

$97,479.51. The 1939 asparagus negotiated minimum price of No. 1A (5″) was 10½c per lb., No. 1B (6″) was 9¼c per lb., Utility Grade was 7c per lb., and No. 2 Grade 5c per lb., compared to the 1938 asparagus negotiated minimum prices of No. 1B (6″) at 10c per lb., Utility Grade 7c per lb., and No. 2 Grade 5c per lb.

Asparagus for the wholesale and retail fresh vegetable trade is exempt from the plan.

The Ontario Pear, Plum and Cherry Growers' Marketing Board: This local board was established early in the 1938 crop year after a poll of the growers concerned.

The purpose and operation of the local board is identical to the asparagus and peach marketing plans.

Some 2,200 growers sold 1,997 tons of cherries, valued at $133,081.85; 799 tons of plums, valued at $20,851.30, and 5,003 tons of pears, valued at $141,711.27, for processing in 1939, compared to the sale by some 1,560 growers of 1,985 tons of cherries, valued at $196,575.16; 385 tons of plums, valued at $10,868.75, and 4,751 tons of pears, valued at $124,533.79, for processing in 1938. Processors' tonnage of cherries from their own farms is not included in the above figures.

Pears, plums and cherries for the wholesale and retail fresh fruit trade are exempt from the plan.

General: It will be noted from the foregoing that these three grower boards handling five commodities for processing only did a combined total business in excess of $842,655.39 in 1939, compared to $678,414.30 in 1938.

Export Bonuses: A most interesting feature of these marketing agreements is the bonus plans at present in operation on asparagus, cherries and peaches whereby the growers concerned have voluntarily agreed to assess their product so as to create a fund to develop export trade.

The 1939 assessment on asparagus was ¼c per pound of the total pack and amounted to $5,177.35. This will be paid back pro rata to processors exporting canned asparagus out of Canada provided those processors had not imported any fresh asparagus for processing for export.

The 1939 assessment on cherries (red sour varieties only) was ¼c per pound of the total pack. The fund thus created amounts to $10,482.34, approximately, and will be pro rated back to processors exporting canned cherries out of Canada on the same conditions as the asparagus fund but with the additional provision that processors will be guaranteed a bonus of 1c per pound on exports not exceeding 25% of the total quantity processed.

The 1939 assessment on peaches applied only to the 2½c per pound product and was ¼c per pound of the total pack. The fund thus created amounts to $34,314.27, approximately, and will be distributed like the cherry bonus arrangement, except that the guarantee to processors is ½c per pound on exports not exceeding 50% of the total quantity processed.

From the foregoing it will be noted that growers have put up $50,000, approximately, this year of their own money to bonus the export of their own product in processed form. The result has been a largely increased export trade in Ontario canned asparagus, peaches and cherries at competitive export prices. More particularly, the larger proportion of the total canned goods pack has been sold on the domestic market at usual higher prices than those obtained on the export market but growers' total returns for fresh fruit have not been lowered to the export price level.

The Erie-St. Clair Onion Growers' Marketing Board: The Erie-St. Clair Onion Growers' Marketing Board was established September 7th, 1939. The purpose of the plan, which was requested by a large majority of the growers of all nationalities located chiefly in the highly fertile marsh districts around Leamington, Jeannette's Creek and Erieau, Ont., was to set up a central co-operative selling organization through which would be sold the Onion crop produced in the Counties of Essex and Kent.

Subsequently the Ontario Onion Growers' Co-operative Co., Ltd., was appointed the central selling organization and took over the grading, packing, storing and marketing of the 1939 crop.

A further feature of the plan was an agreement arrived at between the Erie-St. Clair Onion Growers' Marketing Board and its selling agency and the Dominion Government, under the authority of the Agricultural Products Co-operative Marketing Act, whereby the latter guaranteed any loss that might be sustained if the selling agency had to dispose of onions below a scale of agreed on average prices. These permitted initial advances to be paid to the growers as soon as the onions were stored in approved warehouses with a final payment due, depending on the season's business, after the selling agency had disposed of the whole crop, usually in April or May of the following year.

CONCLUSION

At the close of the fiscal year the Farm Products Control Board was also engaged in conducting polls relative to the continued operations of the Pear, Plum and Cherry Growers' Marketing Scheme and the Erie-St. Clair Onion Growers' Marketing Scheme. Both these marketing plans included agreements for a further vote of the producers concerned before they would operate in connection with the 1940 crops.

CREDIT UNIONS

Many people in Ontario are vague as to the meaning of credit unions, yet there have been credit unions operating in Ontario for several years. A credit union is a co-operative savings and loan organization. It may be defined as a group of people organized for the purpose of pooling their savings as shares or deposits so that from the funds thus accumulated loans may be made to members for provident or productive purposes at low rates of interest.

More specifically, a credit union is a co-operative organization with three main purposes: first, to promote thrift amongst members by providing a system for accumulating small savings in periodic instalments; second, to provide credit for members at low rates of interest; and, third, to provide a method whereby through self-help members can be educated and encouraged to solve their financial problems generally.

In 1922, the Ontario Legislature enacted the Co-operative Credit Societies Act. The Act was finally proclaimed and came into force in 1928. Since that date 24 charters have been issued incorporating credit unions. In view of the fact this original legislation contained no provision for supervision or control over credit unions it was more or less inevitable that abuses should creep in. Lacking powers of investigation, the Province finally ceased granting new charters some four years ago.

At least 15 of the originally incorporated organizations have progressive memberships and for the most part have been following standard credit union practice. These are:

Description	*Name*	*Incorporated*	*Membership as at March 31st, 1940*
ASSOCIATIONAL:			
Racial —	Essex	Feb. 7, 1929	141
	Hamilton Verband	May 9, 1931	112
	Labour League Mutual	Mar. 27, 1930	251
	London	July 12, 1930	81
	Pride of Israel	July 1, 1931	286
	Radomer	Oct. 30, 1929	96
	Sons of Jacob	June 5, 1929	101
	Young Men's Shidlower	June 6, 1931	68
Religious —	Notre Dame d'Ottawa	Mar. 22, 1929	1,082
	Ste. Anne d'Ottawa	June 5, 1936	1,335
	St. Jean Baptiste d'Ottawa	Apr. 15, 1931	343
OCCUPATIONAL:			
Government —	Dominion Civil Service	Dec. 14, 1928	3,689
Industrial —	International Harvester Twine Mills	Nov. 18, 1935	105
	International Harvester Works Employees	Nov. 18, 1935	890
	Plymouth Cordage	Jan. 3, 1931	229
	TOTAL MEMBERSHIP		8,809

The nine remaining incorporated credit unions in most cases have not operated since obtaining their charters and in all probability will be dissolved.

The chief development in the Ontario credit union movement during the year under review was the approval of "The Credit Unions Act, 1940." The same bill rescinded both the Co-operative Credit Societies Act, 1922, and the Credit Unions Amendment Act, 1939. The credit union legislation of the Maritime and Western Provinces, together with that of the United States, was studied at length and throughout the new Ontario bill the highest standard of credit union practice was incorporated. Incidentally, no organization may use the words "credit union" henceforth without being incorporated under the new Act.

Forms of memorandum of association, standard by-laws, and other regulations have now been approved and applications for credit union charters are again being received.

Section 47 of the Credit Unions Act, 1940, requires all credit unions organized thereunder to make reports to the Department at least annually and pursuant to this provision the Inspector of Credit Unions has caused such annual returns to be rendered not later than March 1st in each year. These returns, consolidated for the fiscal year just closed, reveal a steady financial growth by the 15 incorporated credit unions in the Province on the active list, viz.:

Credit Unions operating	15
Total Membership	8,809
Total Number of Borrowers during the year	4,309
Total Share Capital	$ 390,838.41
Total Deposits	$1,041,371.27
Total Amount Loaned during the year	$ 995,726.37
Total Amount Loaned since organization	$8,293,588.72
Total Assets	$1,657,909.13
*Total Guarantee Funds	$ 159,228.41

*Reserve against uncollectible loans and losses. Must be invested in investments authorized by The Trustee Act (Ontario).

The fact that credit union charters have not been available during the past few years has not prevented a now increasing number of organizations throughout Ontario going ahead without incorporation and calling themselves "credit unions." The total sums of money which have been received on shares and on deposit and loaned out by such groups is substantial. While complete figures of these societies have yet to be obtained and compiled, an approximate classification as to organization, membership and resources is as follows:

Description	*Number Operating*	*Number of Members*	*Total Assets*
Associational:			
Co-operatives	4	171	$ 5,200
Racial	2	165	18,890
Religious	10	656	8,232
Professional	2	80	1,300
Miscellaneous	5	354	8,570
Occupational:			
Educational	2	113	650
Government:			
Federal	3	220	7,330
Municipal	2	617	60,025
Industrial:			
Electric Products	1	77	826
Food Products	1	65	2,100
Metals—Steel and Iron	2	674	10,724
Paper	1	77	800
Printing	2	163	8,200
Public Utilities—Telephone	4	346	6,265
Transportation	4	684	11,100
Total	45	4,462	$154,212

All of the above unincorporated "credit unions" with whom the Department has been in touch are awaiting the opportunity to take out charters as soon as these are again available. It is interesting to note that from this group has recently come the leadership for the next step forward in achieving the "co-operative ideal of higher federation for the interchange of experience and the promotion and protection of the movement." Credit Union Chapters, comprised of the credit unions operating in the Cities of Windsor, Hamilton, Toronto and adjoining districts, are being organized and considerable development work has already been undertaken toward the organization of a Credit Union League in Ontario, comprised of all the chapter organizations and individual credit unions operating in areas where chapter affiliation is impossible. Such Provincial Credit Union Leagues have already been set up in the Provinces of British Columbia, Saskatchewan, New Brunswick and Nova Scotia. Centralization in Quebec, the home Province of Canadian credit unions, is even more advanced, where a Provincial federation conducts not only a promotional and educational programme but which also exercises wide powers of inspection and supervision.

In the five months the Department has been associated with credit union operation and development it seems apparent from the interest shown that economic circumstances and conditions are combining to bring about a substantial expansion of the movement in the Province.

HEARST DEMONSTRATION FARM

The growing season was excellent, with all grain maturing. Seeding commenced May 30th and haying operations started July 15th. Some 80 tons of Alfalfa and Red Clover mixture were harvested.

Field Husbandry

Cartier Oats, the only variety sown, took 92 days to mature. The average yield was 26 bushels per acre, due to hail storm that threshed half the crop. O.A.C. No. 21 Barley took 91 days to mature, the yield being 41 bushels per acre.

Animal Husbandry

The herd of Ayrshire cattle is composed of 12 cows, eight two-year-old heifers and four one-year-old heifers. Some of the grades are being discarded and four were replaced by registered cows. The farm now has 16 registered and 8 grades. The herd is headed by Solway Hyacinth, imported in-dam from Scotland, and will be replaced by Kapuskasing Supreme.

One team of horses is kept on the farm.

Four sows were kept and pigs sold to farmers for breeding purposes. Five boars were also distributed in this district.

A small flock of 120 Barred Rocks were kept and 250 pullets, when six weeks old, were sold to farmers at cost price.

One carload of cows and one carload of brood sows were brought to the farm, sold and distributed. This is an effective way to increase good live stock in the district.

The Agricultural Representative is in charge of the farm and has his office there. Many farmers were visitors during the year.

MILK CONTROL BOARD OF ONTARIO

The Milk Control Board, which operates as a Branch of the Department of Agriculture, has completed its sixth year of operations.

As in former years, the purposes of the Milk Control Act have been carried out in that the business of milk distribution and milk manufacture has been supervised in such a way that major difficulties have not arisen. Price structures have been maintained on a level fair to all concerned and the interests of the primary producer have been protected.

The present policy of the Board is partially given in a letter which was addressed by the Chairman of the Board to the Ontario Milk Producers' League and the Ontario Milk Distributors' Association during the past year. The main parts of this letter are as follows:

> "There seems to be general agreement that control is essential to the welfare of the industry and of the public. The last five years have been formative ones in which the industry has been adjusting itself to control measures. Naturally, during these years the Milk Control Board has dealt with many situations in much more detail than would have been necessary if control had not been new. We feel that the stage has now been reached where the industry is fully conversant with the Milk Control Act and its Regulations, and should be in a position to practice more self-government.
>
> "Our future policy, accordingly, will be one of promoting more self-regulation by the industry. There are many matters that the Board has dealt with which, we feel, can now be very well handled through the Association, both producer and distributor, individually and working together.
>
> "We suggest, therefore, that your Provincial organizations encourage your members to work through their locals and the locals through the central organizations in order to achieve the goal of more self-regulation. It is gratifying to see the way some very important problems have been dealt with by your respective organizations; for example, the bottle situation by the distributors and the quota problem by the producers with the co-operation of the distributors. Similar methods could be used in dealing with many problems.
>
> "We seem to have increasing demands on our time and it will be necessary to refer more problems back to your respective organizations. We are not wishing to shirk any of our responsibilities and assure you that we will give our utmost co-operation to bring about a programme of orderly marketing of milk in the Province of Ontario."

The result of the recognition of this relationship has been that the Board is more generally looked upon as a necessary body of reference than in the past and as a consequence the work accomplished during the year 1939 can be considered extremely satisfactory.

Because of the fact that in accordance with the provisions of the Act the Board's report has been filed with the Legislature, it is not deemed necessary to include a full report of the Board's activities herewith but only to suggest that the report shows the work of the Board in regulating the milk industry has again been well received by those interested in the milk business of the Province.

REPORT OF PROVINCIAL ENTOMOLOGIST

RESEARCH AND EXPERIMENTAL WORK

Stored Grain Insect Control

On a large number of farms, wheat and, to a much less extent, other grains are infested with one or more species of granary insects. When these are abundant they cause the grain to heat and, if nothing is done to cool it, to mould and become spoiled. This matter has been of great interest to the writer and much attention has been and still is being given to its solution. Granaries have been examined to see the facts; the results of fumigation by the owners with commercial fumigants have been observed; a series of controlled fumigations with different materials has been carried out at the College; and a circular giving instructions for the control of the insects sent last fall to all the agricultural representatives, to a number of leading agriculturists, and to the press.

Some of the more important matters learned during the study are:

1. The source of the infestations in the granaries is not the grain from the field but the presence of these insects in the granary or storeroom. Holding grain over from one year to another greatly favours the presence of insects.

2. Most of the fumigation done by the farmers was a failure, partly because the fumigant was used too weak, partly because the bins were not nearly airtight, and partly because they were not covered after treatment.

3. Farmers should try to destroy all or as many as possible of the insects in the granary or barn before putting in the new grain.

4. An excellent method of freeing grain from insects is to run it through the fanning mill at low temperatures. If the right screens are used, almost every insect can be separated from the grain, and as the low temperature quickly makes the insects dormant, they can be gathered up and destroyed.

Further tests of fumigants are being made, after which a new circular on control will be written for use in a campaign for a clean-up before harvest.

The European Earwig

This imported insect, found for the first time in Ontario in the Village of Ayton, in Grey County, in 1938, had become so numerous by September of that year that it was decided to test control measures in 1939 in the whole village (population about 400) and the surrounding land for a few rods back. The Department supplied the materials for the tests, namely: sodium fluoride, molasses and bran, and the villagers co-operated in spreading it over the gardens, lawns and adjoining fields and also where necessary in the houses.

The first application was on July 3rd and a second application was given two days later. The results, as finally observed by two members of the department, were very gratifying. Shortly before treatment, one of these men had counted 1,560 earwigs in 1½ hours. After the treatment, in the same length of time, only 7 earwigs were found by the above two members of the department. A dozen housewives were interviewed. These, without exception, said that they and every person they had spoken to were delighted with the results and that there was now scarcely an earwig in any house, not even in the houses where they had formerly been most numerous and had caused the most worry. We are, therefore, confident that this insect can be combated successfully if it should spread through the Province and become a serious menace.

Sugar Beet Nematode

Shortly before the time for harvesting sugar beets we received word of a serious outbreak of the much-dreaded sugar beet nematode, *Heterodera schachtii*, in a ten-acre field of sugar beets a few miles northeast of Sarnia. Prof. L. Caesar as representative for the Province, Dr. George Stirrett for the Federal Division of Entomology, and Dr. Brown for the Dominion Sugar Beet Company, jointly investigated the situation and found that the beets in this field were, as reported, heavily infested with the nematode. An examination of this and other districts showed that the outbreak was apparently limited to this one field. A conference was then held and it was decided that the grower of the beets should be allowed to take them to the factory on condition that they were first treated with formaldehyde to kill as far as possible any nematodes present and that certain definite precautions were then taken to prevent danger of spread in hauling the beets to the factory and handling them there. It was agreed that no more sugar beets should be grown on this farm until all danger from the nematode had disappeared. This will probably mean anywhere from 5 to 10 years.

Rabbit Control

The last few years the large European hare, or so-called jack rabbit, has spread over almost every fruit district in Ontario and may now be considered as the greatest enemy of young orchards. We have been testing control measures for two years. These studies so far indicate that satisfactory control probably can best be secured by a combination of several measures, namely: shooting, poisoning, wrapping the trees with burlap or other fabric, repellent washes, and the placing of prunings in heaps here and there throughout the orchard.

As for repellents, in 1938 we tested an emulsion of resin residue and found that it was a good repellent, but in seeking a supply of this in 1939 it was discovered that the cost of the material, which has to be imported from the Southern States, was prohibitive. Therefore, in 1939 we tested a solution of resin in alcohol and also a resin-soap emulsion. Both of these gave good control on young trees all through the early and middle part of the winter, but about the middle of March suckers treated with either of these mixtures and placed in snowdrifts had begun to be attacked. This may indicate that in a bad season a second application may be necessary.

Strychnine used with slices of apple or with alfalfa was found to kill the rabbits readily but has the objection that great caution is necessary, otherwise live stock may be poisoned. We are planning further work with strychnine, especially along the line of finding more satisfactory baits.

Prunings cut in late fall or early winter and left on the ground in heaps were seen to be very attractive to the rabbits and evidently thereby saved many young trees from being attacked.

Wraps made of burlap or canvas about three inches wide and wound tightly around the trunk and lower branches as high as found necessary and then firmly fastened there are being much used and are very helpful. They can be used year after year if properly dried and stored.

Spray Experiments

Again, as in previous years, the Ontario Reformatory and O.A.C. orchards were used for spray experiments. The Botany Department will report on the fungicidal aspect of this work. So far as the insecticidal aspect is concerned, the most important developments this year were demonstrations of the relative merits of stickers as a means of holding the arsenate of lead on the trees long enough to dispense in many orchards with the need of a second apple maggot spray. The experiments indicated strongly that the best sticker was a 1% white oil emulsion and the next best bentonite, preferably with a spreader such as skim milk powder. Ferric oxide, so far as the eye could see, was also an excellent sticker, but a chemical analysis revealed that it did not hold the arsenate of lead on nearly so well as either of the above. Soy bean flour, so often spoken of as a good sticker, was of little value in our tests.

The main objection to the oil emulsion is that on some varieties it tends to cause spotting of the fruit because of the fact that the spray collects in large drops which remain on the fruit and keep the sun from coloring the part beneath. Whether this will be important enough and extensive enough to be serious remains to be seen. Oil, of course, has an added advantage over other stickers in that it helps greatly in the control of codling moth.

Another important result from this year's tests in the Reformatory orchard was that, where a second cover spray with arsenate of lead was used and applied to the underside of the leaves, bud moth injury was lessened 20 to 50 per cent. This extra spray also had much value in the control of the codling moth. Bud moth this year in many orchards throughout the Province was for the first time a very serious general pest.

Turnip Aphid

About the middle of August the common cabbage aphid, often called by growers the mealy bug, had become so abundant on turnips in Middlesex, Brant, Waterloo, Wellington, and a few other counties that it threatened to destroy the crop. Prof. Caesar, on learning of the outbreak, at once went to Middlesex and conducted a series of experiments with sprays and dusts to determine the best method of control.

Good results were obtained with a 4% nicotine dust and also with a solution of 1 lb. of soap in 5 gallons of water. It was necessary, however, in all cases to hit the insects in order to insure a kill. To hit them with a spray, it had to be driven up from beneath and also had to cover the crown or tip of the plant, as this latter part was regularly heavily infested. To do this a spray rod about 3 feet long with one or two angle disc nozzles on the end had to be used. In the case of dusts, it was found that hand dusters were too slow for any large acreage, but that a power duster with a canvas trailer to concentrate the dust on the plants would work well.

Unfortunately, very few farmers were equipped either with a sprayer or with a good duster. In future outbreaks it may be necessary for the farmers to club together and buy or rent a power duster in order to get rapid and satisfactory control. Orchard sprayers can be used by equipping them with nozzles arranged to shoot from both sides as well as down from the top.

Onion Maggot

This year again, lubricating oil emulsion, calomel and corrosive sublimate were tested as controls for the onion maggot. During the preceding two years calomel had given the best results and was found to be much the simplest method, but this year at Collingwood in a heavy infestation the lubricating oil emulsion proved to be more effective than calomel. Corrosive sublimate gave very poor results and showed no superiority over the untreated checks. It will, therefore, be discarded as a control for the onion maggot, though still giving good results in the control of the cabbage maggot.

The price of calomel has gone up so much as a result of the war that it has been decided to postpone further experiments with it until the price returns to normal.

Testing Corn for Resistance to the Corn Borer

This work, in co-operation with the Field Husbandry Department, has been under way now for two seasons. Forty-nine hybrids or varieties were tested in 1938 and fifty-seven in 1939. Most of the hybrids, when compared with our popular varieties, showed a considerable degree of resistance and had also the very desirable merit of standing up much better under attack of borers or of storms. This makes it much easier for farmers to cut the corn low enough to make burial with the plough easy. The work will have to be continued, however, for several years yet before definite recommendations can be made to the growers.

EXTENSION

Spray Service Supervision

This work was carried on in conjunction with the Department of Botany. There is little new to report except that there was an increase in the number of local spray supervisors and that all the men were given a two-day training course at Guelph before beginning their duties. The course covered lectures and discussions not only on insects and diseases but also on orchard fertilizers, pruning, bridge-grafting, and methods of spraying, the last three being taught in the College orchard. The local supervisors reported later that the course had helped them greatly in their efforts to be of service to the growers.

Inspection Tours and Personal Calls

Prof. Caesar has tried every year to visit all the fruit districts and also as many other districts as he can in order to have a personal knowledge of the insect conditions all over the Province and thereby be able to render better service to the public. He has also endeavoured to answer in person special calls for consultation and advice as one of the most effective methods of rendering aid.

Miscellaneous

Addresses were given as usual at most of the fruit conventions and also at some other agricultural meetings.

Press letters were prepared on insects of special importance and sent out to the press and to the agricultural representatives.

The spray calendar was revised in company with the other members of the committee for this purpose.

Correspondence was a very important duty and required much time and thought.

ADMINISTRATIVE DUTIES

The chief administrative duties were the supervision and enforcement of the regulations under the Plant Diseases Act pertaining to nurseries, peach yellows and little peach, Oriental peach moth, apple maggot, European corn borer and black knot.

Nurseries

All nurseries so far as known have now been registered and inspected as far as was found necessary. The total number of the nurseries was 103. This work could not have been completed had it not been for the addition of an extra nursery inspector during this last season. The nurseries on the whole are almost free from any serious insect pest or plant disease.

Peach Yellows and Little Peach

There was a large reduction in the number of trees which had to be destroyed for these two diseases, there being only about one-third as many infested trees in 1939 as in 1938. This is partly the cumulative result of good inspection and partly the result of the scarcity of the plum leaf hopper which is the main agent in the spread of these diseases.

Oriental Peach Moth

So well is this pest being held in control at present by parasites and other natural control factors that the only regulation felt necessary to enforce in connection with it was the sterilization of containers used for peach fruit by the canneries and the treatment of peach refuse to destroy any larvae or pupae present. Both of these were looked after.

Apple Maggot

Although the regulations dealing with this insect were on the average well enforced and some progress made, the progress has not been as great the last two years as we had hoped for. The explanation seems to be that we are passing through a cycle of seasons which are so favourable to the insect that it is almost impossible to bring about a rapid reduction without destroying all neglected orchards for a mile or more on all sides of every commercial orchard. We do not wish, however, to imply that most of our commercial orchards are infested by the apple maggot, for they are not; and the great majority of those infested have only a very light infestation, in many cases only a few apples on two or three trees, sometimes only on one tree.

European Corn Borer

The enforcement of clean-up was just about the same as in 1938. Most growers did their work well without any compulsion; a relatively small number tried to evade the task and hampered the work. However, prosecutions were seldom necessary.

At the end of the season it was found that in most of the counties formerly worst infested, such as Essex, Kent, Lambton, Middlesex and Elgin, there had been a considerable decrease of the insect, but that in the area all along north of these right through to Peterborough and also from Kingston to Ottawa and Montreal, there had been a large increase in the percentage of stalks infested. In fact, many of the counties in these areas were more heavily infested than the counties in Southwestern Ontario. In seeking for the cause of this state of affairs we found that the increase, like most of the increases wherever they occurred, coincided closely with the presence of a good supply of moisture during the critical months of June and July when the moths are emerging, the eggs being laid, and the young borers hatching out and trying to work their way into the stalks or other thick parts of the plant where they would be safe from the sun's rays and from drying winds and enemies. The presence of moisture is very favourable to the insects in the above stages and is sufficient in itself to account for increases. We must remember, however, that the increases this year nearly all occurred in areas where there was no compulsory clean-up of corn remnants — that is, in counties where the Act was not in force.

Black Knot

Inspection for this disease was limited largely to the localities where the inspectors, during their other duties, had observed its presence in 1938, or to localities from which complaints had come in with regard to this disease. The great majority of plum and cherry orchards are quite free from it. Cities and towns are usually the worst infested.

DAIRY BRANCH

In the year 1939 all creameries, cheese factories, and combined cheese factories and creameries applied for a license to operate as required by Section 2, sub-section 1 of the regulations pursuant to the provisions of the Dairy Products Act of 1938. It was the first year a license to operate as issued by the Dairy Branch was required.

Many operators had considerable improvements to make in their plants and equipment before they were issued a license and they were given an extension of time to enable them to complete these improvements. The licensing resulted in a noticeable improvement in the equipment and sanitary condition of many of the plants and has raised the standard of Ontario creameries and cheese factories.

Licenses were issued to 297 creameries, 645 cheese factories and 40 combined cheese factories and creameries.

All creameries and cheese factories were re-inspected for their 1940 licenses during the latter part of 1939. A much larger percentage of the plants were approved for license on the first inspection without having to make any improvements, than was the case in the previous year.

On July 1st, 1939, H. B. Sandwith of Kingston, a former cheese instructor and instructor at the Dairy Division, Kemptville Agricultural School, was appointed chief cheese instructor for Central and Eastern Ontario. Mr. Sandwith's appointment has resulted in more uniform instructional work to cheesemakers in Central and Eastern Ontario.

Dairy Branch Field Staff:—

	1939	*1938*
Chief Instructors	3	2
Cheese and Butter Instructors	2	2
Cheese Instructors	28	30
Creamery Instructors	10	10
	43	44

Production of Butter and Cheese in Ontario:

CHEESE	*1939*	*1938*
Western Ontario	14,397,868 lbs.	14,954,884 lbs.
Central Ontario	13,855,749	13,108,652
Eastern Ontario	59,877,940	57,449,096
Northern Ontario	386,898	447,291
	88,518,455	85,959,923

This indicates an increase in the production of cheese in 1939 of 2.9 per cent as compared with 1938. In 1939 Ontario produced 71.2 per cent of the total cheese produced in the Dominion as compared with 70.9 per cent in 1938.

Federal Grading of Ontario Cheese—

	Total Boxes	*No. 1*	*No. 2*	*No. 3*	*Below No. 3*	*Average Score*
Western Ontario	150,151	96.21	3.72	.06	.01	92.437
Central Ontario	233,386	93.99	5.78	.19	.04	92.464
Eastern Ontario	555,021	94.15	5.64	.17	.04	92.364
Northern Ontario	2,349	76.54	22.61	.68	.17	91.291
Average, 1939	940,907	94.40	5.41	.16	.03	92.398
Average, 1938	880,923	94.22	5.62	.11	.03	92.237

In 1939 there were 888,171 cheese placed in first grade of which 60.21 per cent scored 93 points or over, an increase of 13.51 per cent over 1938.

	1939	*1938*
No. of cheese factories operating	659	655
No. of cheese factory patrons	24,729	24,788
Average per cent fat in milk	3.34	3.39
Lbs. of milk to 1 lb. of cheese	11.43	11.31
Lbs. cheese to 1 lb. fat	2.46	2.57
Money spent on improvements	$226,388.	$175,706.
Average price of cheese per lb.	12.69c	14.27c

CREAMERY BUTTER	*1939*	*1938*
Western Ontario	56,595,586 lbs.	55,955,853 lbs.
Central Ontario	15,870,060	16,978,003
Eastern Ontario	12,104,550	11,587,987
Northern Ontario	3,673,641	3,371,305
	88,243,837	87,893,148

The production of creamery butter in Ontario in 1939 showed a slight increase of .39 per cent over 1938.

Ontario produced 33 per cent of the total butter production for the Dominion.

	1939	*1938*
No. of creameries operating	331	335
No. of creamery patrons	90,946	87,465
Average per cent fat in cream	31.9	——
No. of creameries manufacturing condensed or powdered milk	17	17
No. of creameries manufacturing buttermilk powder	23	21
No. of creameries manufacturing whey butter	42	33
No. of visits to creameries by instructors	3,090	——
No. of visits to cream producers by instructors	287	300
Average price of butter per lb.	23.59c	26.88c

Cheese Factory Instruction—

A great deal of time was devoted by the instructors to checking the development of rancid flavours in cheese. This flavour defect was the most prominent defect in Ontario cheese in 1939. In many cases it was traced to the milk supply on the farm. Frequent visits to the producers of poor quality milk on the part of the instructor, checked the development of rancid flavours in many instances.

In 1939 the methylene blue test was used extensively to determine quality of milk as it arrived at the factory and was instrumental in determining the source of poor quality milk.

Methylene Blue Score Cards were introduced in 1939. These cards were sent to the producers by the instructors and indicated the quality of milk produced. These cards also gave instructions for improvement of the milk supply.

The fermentation test and sediment test were also used extensively by the instructors to determine quality of milk.

In 1939 instructors made 19,922 methylene blue tests; 8,312 fermentation tests and 6,417 sediment tests. They visited 3,264 milk producers where poor quality milk was being produced and were successful in assisting the producer to produce better milk. This work had a direct result on the quality of the cheese as an immediate improvement was noticed at factories where producers were visited by the instructor. Many factories manufacturing a large percentage of second grade cheese were able to manufacture first grade cheese entirely.

The instructors tested approximately fifty per cent of the milk samples at the cheese factories and made 12,388 visits to assist cheesemakers in the manufacture of high quality cheese and eliminate mechanical defects caused by improper methods of manufacture.

Creamery Instruction—

The creamery instruction and extension programme adopted and put into practice by the creamery instructors for 1939 was as follows:

1. To endeavour as far as possible to have the certificates in every creamery held by the proper persons and to impress upon each and every certificate holder their duties and responsibilities as such.
2. The application of more uniform methods of scoring the certificate holders on cream grading and cream testing.
3. The elimination of mechanical defects in butter.
4. Extension of service to the producers in regard to the improvement of the quality of the cream.
5. Continued assistance with the work of buttermakers' clubs.

The quality of cream received at the creameries as reported by the instructors was poorer for the first half of the year than for the same period in 1938. After two months of closer checking of the grading at the creameries by the creamery instructors, the creameries themselves began to grade cream more closely to the correct standards. This resulted in an improvement in the quality of cream received at the creameries in the higher grades, they had to take more care of their cream. The last six months of 1939 showed a decrease of approximately 3 per cent in the amount of second grade cream as compared with the same period in 1938. Similarly the quantity of special grade cream improved about 1 per cent for the same period compared with the previous year. The instructors reported 4.1 per cent of the cream received at the creameries to be special grade and 10.3 per cent to be second grade for the year. This is an increase of 0.9 per cent in the amount of special and first grade cream produced compared with 1938.

It is estimated that cream producers lost over $100,000 in premiums in 1939 for producing second grade cream.

In co-operation with the Dairy Products Division, Marketing Service of the Federal Department of Agriculture, a record of all undergrade churnings of butter graded by the dairy produce graders were reported to the Dairy Branch together with the defects of each churning. Each instructor was immediately notified of the defects in the butter made at creameries in his group.

As considerable butter was being placed in undergrade because of faulty workmanship, efforts were concentrated on this problem. These mechanical defects were tabulated in an effort to find which were the most serious and to ascertain the causes. In order that our efforts to eliminate these defects would be more effective, they were to have a bearing on the standing of the certificate holders should any of them fail to rectify their trouble after being given instruction as to how it could be done. Free moisture was the most serious mechanical defect, comprising 51.67 per cent of the total. Uneven colour was responsible for 21.3 per cent of the total defects, followed by poor packing and finish of 12.0 per cent, faulty texture 9.9 per cent, undissolved salt 4.3 per cent, and neutralizer flavour 0.9 per cent.

Ten certificate holders who had most of their butter graded did not have a single mechanical defect recorded against them. Eight had only one defect, ten had two, and seven had three defects. While the above includes only about 11 per cent of the total creameries, it nevertheless is a creditable showing and indicates that it is possible to keep these defects to a minimum.

As the instruction programme adopted for 1939 entailed considerable work within the creameries themselves, the producers did not receive the individual attention as was planned. However, where necessary cream producers were visited, but these for the most part were those who complained about their grades, weights or tests. General producer instruction was conducted as in the past several years by giving special lectures on this subject at the agricultural short courses conducted by the Agricultural Representatives' Branch, and the Dairy Branch in co-operation with the Ontario Cream Patrons' Association, assisted in the dispensing of information of this nature at fall fairs.

Some 33 agricultural short courses were attended at which the aggregrate attendance was close to 1,400. Cream quality competitions were sponsored by some 35 fall fairs at which the creamery instructors acted as judges. Junior farmers' cream grading and judging competitions were also conducted at several fairs including two seed fairs.

One new buttermakers' club was organized in 1939 in the North Bay district. One which had been dormant for a few years reorganized in the spring. There are now seventeen buttermakers' clubs in operation in Ontario.

ONTARIO DEMONSTRATION FARM, NEW LISKEARD

The season of 1939 was unfavourable for crop production, particularly on low, flat or poorly drained farms and this was true of the Demonstration Farm. Many rolling farms had better than average crops. The spring was wet, backward and excessive moisture delayed most of the seeding on the New Liskeard farm until well into June and consequently a large percentage of the harvesting was done in September when the weather was dull and damp.

Seasonal Notes —

April 27—Ice went out of Wabi River.
May 10—Ice went out of Lake Temiskaming.
May 26—First work on land.
May 29—Turned cattle into pasture.
June 3—Commenced seeding.
July 7—Completed sowing.
July 12—Commenced cutting hay.
July 25—Finished haying.
August 10—Commenced filling silo.
August 17—Cut Fall Wheat.
August 26—Commenced cutting second crop of hay.
August 28—Started to cut oats.
September 1—Commenced to sow Fall Wheat.
September 6—First frost.
September 13—Completed cutting grain.
October 17—Harvested small vegetables.
October 12—Cattle in for winter.
October 30—Finished ploughing.

FIELD HUSBANDRY

No small plot work was carried out this year as it was felt that plots of one acre or more were better for demonstration purposes and more in common with the farmers' conditions.

The following table gives the acreage yield and time of maturity of most of the crops grown on the farm:

GRAIN

	Acreage	*Total Yield*	*Time of Maturity*
Alaska Oats	6	180 bus.	81 days
Cartier Oats	8	200 "	80 "
Erban Oats	13	455 "	86 "
Mixed Grain (Oats and Barley)	15	600 "	79 "
Barley	5	115 "	84 "
Fall Wheat	4	72 "	
Spring Wheat	8	120 "	87 "
Potatoes	¾	68 bags	

CANNING FACTORY PEAS

	Acreage	*Yield of Green Shelled Peas*	*Time of Maturity*
Alaska	.8	2,294 lbs.	59 days
Wisconsin Sweets	.8	2,909 "	61 "
Perfection	.8	2,724 "	68 "
Advancer	.8	2,169 "	67 "
Horsefords	.8	2,506 "	68 "
Thomas Laxton	.8	1,629 "	61 "

The price paid by the factory for shelled peas was $38 per ton. Half of each variety was fertilized with 2-12-10 at the rate of 250 lbs. per acre, but there was practically no increase in yield on the fertilized portion.

HAY

Hay was a good crop and of good quality, as it was practically all cured without getting wet. Increased tonnage from alfalfa or an alfalfa mixture as compared to timothy was clearly demonstrated.

SILAGE

Three crops were used for silage. Pea straw from the canning factory, sweet clover and second crop mixed hay which was 90% alfalfa.

The ensilage kept well and gave satisfactory feeding results. The sweet clover froze considerably around the outside of the silo. The pea straw will be more satisfactory than the other two crops for feeding in late spring and early summer when the weather is warm. Often only small quantities are used, as it heats once and then cools off. Consequently it keeps fresher and sweeter in warm weather.

The alfalfa ensilage had 50 lbs. of molasses added per ton of green fodder and was more palatable than the other two crops. This was particularly noticeable when fed to calves.

LIVE STOCK

The live stock division consists chiefly of supplying foundation stock and assisting in arranging for the purchase of breeding stock from other districts.

The Annual Auction Sale of surplus live stock was held on August 16th. The interest and attendance at the sale has been increasing each year and it appears to be an efficient means of distributing live stock throughout the north. Some live stock was shipped over three hundred miles. The prices exceeded those obtained by private sales.

SWINE

One brood sow was purchased from the Ridgetown Experimental Farm, raising the number of sows to six. We have had low mortality and no young pig troubles. The sows were fed Potassium Iodide and the young pigs reduced iron or Ferric Sulphide.

SALES FOR THE YEAR 1940-41

Boars sold for breeding purposes	24
Sows sold for breeding purposes	29
Sold for meat	20

CATTLE

The Dual Purpose Shorthorn cow is steadily gaining in popularity among the settlers and farmers of the Northern District not supplying a fluid milk market. There has been an increased demand for breeding stock. All desirable females were kept to increase the breeding herd and no females were sold except those culled out and sold for beef. Eight bull calves were sold during the year and no market cattle were fed.

All our cows are entered for R.O.P., except those reserved to raise our bull calves as only the heifer calves are pail fed.

HORSES

Three purebred Percheron stallion foals were raised and one mare is in foal again. The mares were all inoculated for joint ill and the foals were all born healthy and strong. This was a point of special interest to many of the farmers as joint ill is very prevalent in some localities. The mares were fed Potassium Iodide during the winter.

SHEEP

A flock of fourteen Oxford Down ewes were purchased for the Demonstration Farm late in October.

POULTRY

The work in the poultry division has chiefly been the production of foundation stock for local farmers and also supplying advice on poultry management and disease problems.

There has been an increased demand this year for breeding stock, both male and female and also hatching eggs. The White Leghorn flock was disposed of and only the New Hampshire Red and Barred Plymouth Rocks were kept.

HORTICULTURE

The farmers have been encouraged to plant trees and shrubs around their farm buildings. A number of raspberry canes were distributed.

A bed of strawberries was planted and also a number of trees were planted last year on the Demonstration Farm. It is expected that tree planting will be extended in future years.

EXTENSION

Thirty meetings and eight fairs were attended during the year. Fifteen organizations or groups visited the Demonstration Farm.

SOIL WORK

A constant check has been kept of the soil analysis on the Demonstration Farm and many farmers have been assisted in obtaining information regarding their soil by sending soil samples to the Ontario Agricultural College. A full report on these samples has not been issued. However, tests taken so far indicate a definite deficiency in phosphorous in the majority of the samples, even on virgin soil and many samples showed definite acidity.

Four fertilizer plots were laid out in different sections of the District, but the seeding and harvesting conditions were so adverse that the results obtained were of no valve.

DEMONSTRATIONS

Pasture. White blossom sweet clover was used again this year as a means of bridging the pasture crop from the time the common pasture grasses begin to dry up, until the second crop clovers are available. This has proven successful and fall wheat has been a satisfactory crop to follow the sweet clover.

Curing of Hay. The tripod method of curing hay was used on the Demonstration Farm and created considerable interest. This method is practical in Northern Ontario as there is usually too much moisture in late June and early July to make hay the regular way. Many farmers are planning on putting some hay on tripods this year.

Hog Pastures and Self Feeders. The pasturing of hogs on clover and grain, supplemented by grain feeding in self feeders plus buttermilk, has been of considerable interest to many farmers. The hogs were fenced with a single wire electric fence.

An old poultry brooder house was again used for wintering breeding sows and has proven satisfactory. The sows are allowed to run at will and feed out of a self-feeding grain hopper. They wintered in good condition and farrowed litters ranging from 10-12 healthy pigs.

Reinforcing of Manure. Stable phos was used in most of the stables, and as a result the floors were much dryer and there were fewer offensive odours.

SUMMARY

Many of the farmers of Northern Ontario are taking more interest in the management of their farms and live stock.

More mail enquiries were received this year seeking advice on care and management of live stock and general farm problems. A larger number of farmers visited the Demonstration Farm and were particularly interested in improved varieties of grain, fertilizer experiments, and the care of live stock.

In feeding demonstrations farm officials endeavoured to emphasize the value of feeds that farmers can produce themselves, such as green feed, milk or milk products, thereby eliminating the purchase of large quantities of expensive concentrates. This has been especially true in poultry and swine feeding demonstrations.

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Ontario Department of Agriculture

ANNUAL REPORT

OF THE

STATISTICS BRANCH
1940

PART I.—AGRICULTURAL STATISTICS
PART II.—CHATTEL MORTGAGES
PART III.—SUMMARY STATISTICS, 1882-1940

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PART I — AGRICULTURAL STATISTICS

The gross value of agricultural production in Ontario during the year 1940 is estimated at $363,584,000. This is a decrease of practically $8,500,000 from the value of farm output in 1939, which amounted to $372,087,000, but is higher than any other year since 1930, when the value amounted to $416,162,000. Compared with the previous year, field crops in 1940 showed a decline of $15,425,000, tobacco a reduction of $9,144,000, and clover and grass seed a decline of more than 50%, dropping from $1,381,000 to $642,000. On the other hand, dairy production rose from $87,654,000 in 1939, to $98,933,000 in 1940, farm animals from $61,196,000 to $63,681,000, and poultry and eggs from $22,875,000 to $24,438,000.

For the whole of Canada the gross value of agricultural production in 1940 is estimated at $1,235,714,000, a slight gain over the year 1939, when production was valued at $1,224,616,000.

GROSS VALUE OF AGRICULTURAL PRODUCTION IN ONTARIO, BY ITEMS, 1932 TO 1940

("000" omitted)

	1932 $	1933 $	1934 $	1935 $	1936 $	1937 $	1938 $	1939 $	1940 $
Field Crops.......	116,424	135,813	143,734	132,086	166,284	149,100	131,569	156,115	140,680
Farm Animals....	21,957	31,500	34,089	43,344	46,732	50,885	51,095	61,196	63,681
Wool............	287	553	342	417	533	593	376	517	726
Dairy Products....	69,079	74,117	68,304	73,305	81,830	87,647	99,968	87,654	98,933
Fruits, Vegetables.	12,733	12,553	16,608	18,697	18,002	13,003	20,926	21,365	22,195
Poultry and Eggs..	18,565	16,294	19,464	20,915	22,939	21,659	22,329	22,875	24,438
Fur Farming......	644	721	704	966	1,131	1,351	1,136	1,173	1,114
Maple Products...	888	720	1,040	1,161	1,161	880	853	751	837
Tobacco..........	5,703	6,206	6,337	10,226	8,505	15,965	19,058	17,742	8,598
Flax Fibre........	170	61	150	161	155	133	120	358	843
Clover, Grass Seed.	615	1,079	857	1,006	1,417	1,168	1,689	1,381	642
Honey and Wax...	619	1,097	1,309	1,115	1,062	753	1,190	960	897
TOTALS.......	247,684	280,814	292,938	303,399	349,751	343,137	341,309	372,087	363,584

GROSS VALUE OF AGRICULTURAL PRODUCTION IN CANADA, BY ITEMS, 1932 TO 1940

("000 omitted)

	1932 $	1933 $	1934 $	1935 $	1936 $	1937 $	1938 $	1939 $	1940 $
Field Crops.......	452,527	453,598	549,080	511,873	612,300	556,222	550,069	685,839	651,228
Farm Animals....	65,185	89,063	99,438	120,078	130,979	140,989	136,846	170,837	194,913
Wool............	1,093	2,005	1,255	1,493	1,861	2,049	1,565	1,827	2,645
Dairy Products...	159,074	170,829	172,864	180,756	198,672	215,623	226,155	218,462	240,940
Fruits, Vegetables.	32,157	34,588	43,424	49,964	44,015	41,816	57,095	56,794	57,358
Poultry and Eggs..	42,078	38,060	45,515	50,434	53,244	51,766	53,747	55,483	61,816
Fur Farming......	3,284	4,062	4,534	5,516	6,532	6,802	6,476	5,794	5,504
Maple Products...	2,706	2,059	3,041	3,522	3,714	2,245	3,850	3,444	4,209
Tobacco..........	6,088	6,533	7,218	10,870	9,374	17,140	20,270	19,444	10,373
Flax Fibre........	170	161	250	321	298	332	519	1,249	2,008
Clover, Grass Seed.	962	1,362	2,010	1,818	2,154	2,344	2,996	2,827	2,202
Honey...........	1,470	2,290	2,575	2,338	2,823	2,164	3,057	2,616	2,518
TOTALS.......	766,794	804,610	931,204	938,983	1,065,966	1,039,492	1,062,645	1,224,616	1,235,714

PRODUCTION AND SHIPPING POINT VALUE OF FRUIT IN ONTARIO, AS COMPARED WITH 1939

	Year	Total Quantity	Average Value per Unit	Total Value
		Barrels	$ c.	$
Apples	1939	1,010,500	1.41	1,425,700
	1940	783,200	1.63	1,274,200
		Bushels		
Pears	1939	256,400	0.94	240,600
	1940	264,300	1.09	289,200
Plums and Prunes	1939	54,300	0.94	51,100
	1940	72,500	1.05	76,200
Peaches	1939	758,000	1.05	792,900
	1940	595,000	1.37	812,400
Cherries	1939	135,300	1.94	262,800
	1940	87,700	2.93	256,600
		Quarts		
Strawberries	1939	9,251,600	0.07	631,900
	1940	10,966,000	0.06	711,200
Raspberries	1939	5,673,300	0.09	523,800
	1940	5,864,700	0.09	557,400
		Tons		
Grapes	1939	27,000	31.66	854,700
	1940	24,950	37.02	923,700
Total Value	1939	....	....	4,783,500
	1940	....	....	4,985,800

PRODUCTION AND VALUE OF PRINCIPAL FARM CROPS, 1940

Field Crops	Acres	Bushels per acre	Production	Market Value	
				Total	Per acre
		bush.	bush.	$	$ c.
Fall wheat	775,400	22,099,000	28.5	13,922,000	17.95
Spring wheat	69,200	1,301,000	18.8	846,000	12.23
Oats	2,254,000	86,554,000	38.4	27,697,000	12.29
Barley	499,000	15,519,000	31.1	6,828,000	13.68
Peas	55,200	894,000	16.2	1,672,000	30.29
Beans	84,800	1,264,000	14.9	2,212,000	26.08
Rye	81,500	1,557,000	19.1	779,000	9.56
Buckwheat	182,500	3,796,000	20.8	1,746,000	9.57
Flax	17,500	170,000	9.7	226,000	12.91
Corn (shelled)	186,000	6,956,000	37.4	3,826,000	20.57
		cwt.	cwt.		
Potatoes	146,800	6,753,000	46.0	7,496,000	51.06
		bush.	bush.		
Mangels	36,400	16,398,000	450.0	1,804,000	49.56
Turnips	61,900	26,658,000	430.0	3,363,000	54.33
Mixed grains	915,000	34,770,000	38.0	13,213,000	14.44
		Tons	Tons		
Corn (for silo), green	339,000	3,112,000	9.18	7,500,000	22.12
Hay and clover	2,389,000	4,374,000	1.83	28,686,000	12.01
Alfalfa	715,000	1,895,000	2.65	13,511,000	18.90
Alsike	71,700	108,000	1.50	665,000	9.27
Sweet clover	238,700	539,000	2.26	2,382,000	9.98
Sugar beets	38,200	401,000	10.50	2,306,000	57.51
Totals 1940	9,156,800	....	....	140,680,000	15.36

The acreages devoted to other crops in 1940 were as follows:—Orchards, 180,300; strawberries, 9,600; vineyards, 14,600; other small fruits, 13,800; summer fallow, 181,800; pasture (cleared), 2,712,000.

Rape.—The estimate for 1940 was 16,900 acres of which 6,309 are in Wellington, 2,076 in Grey and 2,579 in Dufferin.

THE WEATHER

Temperature.—The following table gives the temperature of the Province for each month during the last five years, together with the mean annual temperature for the six months, April–September, practically the growing season, together with the average for the five years, 1936–1940, and fifty-nine years, 1882–1940.

Months	1940	1939	1938	1937	1936	1936–1940	1882–1940
	°	°	°	°	°	°	°
January	13.5	18.7	16.2	25.0	16.1	17.9	18.3
February	19.0	19.0	22.2	23.5	11.1	19.0	17.8
March	22.3	24.7	32.1	24.6	31.0	26.9	27.5
April	38.5	37.9	43.6	41.0	37.2	39.6	41.4
May	52.9	55.4	53.3	54.6	56.2	54.5	53.5
June	61.8	63.9	63.5	63.5	62.3	63.0	63.4
July	67.9	67.8	69.5	68.7	69.2	68.6	68.4
August	66.2	68.9	70.3	70.1	66.1	68.3	66.0
September	57.7	59.2	56.1	57.6	59.8	58.1	59.4
October	45.4	47.7	49.5	44.7	45.9	46.6	45.5
November	34.0	33.2	37.4	35.8	30.1	34.1	35.2
December	25.1	27.1	25.0	20.9	26.2	24.9	23.5
Annual Mean	42.0	43.6	44.9	44.2	42.6	43.5	43.3
Mean for six months April–September	57.5	58.9	59.4	59.2	58.5	58.7	58.7

The mean temperature for 1940 was 42.0 or 1.6 below the preceding year, and 1.3 degree below the normal of the fifty-nine years, 1882-1940.

The mean of the six months, April–September, was 57.5 or 1.4 degree below the preceding year and 1.2 degree below the fifty-nine year normal.

Nine months were below normal and three above. December had the greatest departure above with 1.6 degrees, and March the greatest below with 5.2 degrees.

SUNSHINE.—In the following the averages of sunshine are derived from the records of the weather stations at Woodstock, Toronto, Lindsay and Ottawa.

Months	Sun. above horizon	1940	1939	1938	1937	1936	1936–1940	1882–1940
	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.
January	285.7	95.3	62.5	76.8	78.2	61.6	74.9	76.2
February	302.5	114.0	84.7	93.9	98.6	113.6	101.0	102.7
March	369.9	126.8	137.2	129.8	141.6	96.5	126.4	139.9
April	406.4	167.8	137.7	171.2	151.3	111.6	147.9	176.7
May	461.1	167.0	237.9	224.6	211.5	256.6	219.5	217.1
June	465.7	217.0	243.6	240.7	258.9	267.9	245.6	218.0
July	470.9	292.5	308.0	247.4	280.7	320.8	289.9	270.7
August	434.5	233.5	287.5	271.7	236.5	220.0	249.8	241.3
September	376.3	172.5	173.1	172.1	189.6	194.9	180.4	182.3
October	340.2	148.7	135.7	183.1	95.4	137.3	140.0	140.1
November	286.9	62.2	118.1	110.4	80.8	92.0	92.7	78.1
December	274.3	62.5	65.9	60.7	69.5	82.2	68.2	61.6
For year	4474.4	1859.8	1991.9	1982.4	1892.6	1955.0	1936.3	1904.7
For six months April-September	2614.9	1250.3	1387.8	1327.7	1328.5	1371.8	1333.1	1306.1

The year 1940 had 1,859.8 hours of sunshine or 44.9 hours lower than the average for the fifty-nine years. The six growing months, April–September, had 1,250.3 hours or 55.8 below average. Five months were above and seven below. July had the greatest departure above with 21.8 hours and May the greatest below with 50.1 hours.

Please note that in the Sunshine tables Kingston is not included as this station has ceased recording Sunshine.

The rainfall for the six months, April–September, comprising what is regarded as the growing season for most crops, is given in the following table covering the last five years, 1936–1940, and the normal for the fifty-nine years, 1882–1940.

Months	1940	1939	1938	1937	1936	1936–1940	1882–1940
	in.	in.	in.	in.	in.	in.	in.
April	1.87	1.89	1.99	3.52	1.95	2.24	1.91
May	4.09	1.89	2.53	2.61	1.16	2.46	2.67
June	3.46	2.76	2.60	2.88	2.64	2.87	2.82
July	2.54	3.04	3.56	3.10	1.34	2.71	2.86
August	3.27	3.16	3.40	2.97	2.37	3.03	2.66
September	2.72	2.77	3.55	3.09	3.85	3.20	2.81
Total for six months	17.95	15.51	17.63	18.17	13.31	16.51	15.73

The rainfall for the six months, April–September, was 17.95 or 2.44 inches more than preceding year, and in comparison with fifty-nine years 2.22 inches above. Three months were above and three below. May, with 1.41 above and July with 0.32 below, had the greatest departure during the growing season.

Precipitation.—The fall of both rain and snow for the five winter months including November, 1940, and March, 1941, is given in the following table for five years, together with the average for the sixty years, 1882–1941. Ten inches of snow is equivalent to one inch of rain.

Months	1941	1940	1939	1938	1937	1936–1941	1882–1941
	in.	in.	in.	in.	in.	in.	in.
November, 1940:							
Rain	2.11	0.66	1.31	2.12	1.15	1.47	1.97
Snow	17.6	1.6	8.8	4.4	11.0	8.7	7.6
December, 1940;							
Rain	1.76	0.94	0.68	0.27	1.75	1.08	1.18
Snow	13.4	7.4	20.1	22.9	12.4	15.2	15.3
January, 1941:							
Rain	0.38	0.39	0.42	0.70	2.82	0.94	0.92
Snow	19.9	19.7	21.3	17.0	11.3	17.8	18.6
February, 1941:							
Rain	0.23	0.13	1.01	2.18	1.27	0.97	0.71
Snow	15.7	14.8	25.0	9.4	11.9	15.4	15.4
March, 1941:							
Rain	0.23	0.58	0.69	2.07	0.15	0.74	1.15
Snow	12.0	18.4	15.5	7.2	11.0	12.8	11.3
Five Months:							
Rain	4.71	2.70	4.11	7.34	7.14	5.20	5.93
Snow	78.6	61.9	90.7	60.9	57.6	69.9	68.2

The total amount of rainfall for the five months was 4.71 inches or 1.22 below average of the sixty years, 1882-1941. The total amount of snowfall was 78.6 inches or 10.4 inches above normal.

TEMPERATURES, 1940

TABLE I.—Showing for each month the highest, lowest, mean daily range and mean temperature at the principal stations in Ontario for 1940; also the annual mean for each station.

Months	Southampton	Chatham	London	Woodstock	Vineland	Toronto	Lindsay	Beatrice	Ottawa	Montreal River
	°	°	°	°	°	°	°	°	°	°
January:										
Highest	38.2	41.0	40.0	40.0	47.0	43.7	37.9	36.9	35.0	35.0
Lowest	—6.9	—6.3	—8.6	—9.3	—3.7	—6.1	—19.2	—26.9	—20.9	—34.5
Daily Range	14.7	10.6	13.9	13.8	11.1	12.9	17.7	20.6	15.4	27.7
Monthly mean	15.1	17.8	15.0	14.6	20.1	18.0	7.7	7.6	5.5	13.8
February:										
Highest	36.5	41.0	40.0	39.0	42.8	41.9	41.0	39.0	38.0	32.0
Lowest	—11.1	—6.4	—9.3	—9.3	—4.1	—6.0	—16.9	—25.5	—19.3	—34.6
Daily range	13.9	11.5	14.0	13.8	10.4	12.7	18.8	21.0	19.5	30.5
Monthly mean	20.3	25.3	22.4	21.9	25.5	24.1	15.8	14.5	12.9	7.0
March:										
Highest	50.2	63.0	52.7	52.3	52.2	48.5	44.3	47.0	45.0	49.0
Lowest	—1.2	5.0	—4.5	—1.0	5.9	5.5	—8.5	—15.0	—10.0	—26.0
Daily range	11.3	10.3	12.0	13.0	10.9	12.4	16.1	18.7	15.8	28.0
Monthly mean	22.6	28.0	23.7	22.9	26.7	26.2	19.8	19.4	19.9	14.0
April:										
Highest	77.0	74.0	72.6	73.0	76.8	66.9	73.1	74.0	73.0	76.0
Lowest	19.2	21.0	30.5	13.7	17.8	19.4	12.0	12.0	14.0	4.0
Daily range	15.8	18.7	18.8	17.9	15.4	16.1	20.3	20.9	16.5	27.6
Monthly mean	37.0	42.2	39.9	39.5	41.3	42.0	37.3	35.8	36.5	33.9
May:										
Highest	76.8	84.0	80.2	80.2	78.6	76.9	82.5	83.0	80.0	83.0
Lowest	28.5	34.0	30.0	31.0	35.3	37.9	28.3	25.0	29.0	20.0
Daily range	17.3	18.3	19.1	18.6	16.9	16.1	20.7	23.6	20.7	27.0
Monthly mean	50.5	55.3	52.6	52.5	51.7	54.6	53.2	52.6	54.9	50.9
June:										
Highest	81.5	90.0	87.0	87.1	86.8	89.0	84.7	83.0	86.0	88.0
Lowest	40.0	43.0	38.6	31.0	35.3	42.8	39.5	35.0	35.0	30.0
Daily range	17.1	19.5	18.7	18.0	17.6	18.4	19.2	20.3	19.7	26.9
Monthly mean	58.5	67.2	63.6	63.5	63.1	63.8	61.0	59.9	61.9	55.9
July:										
Highest	92.8	96.0	91.1	93.0	91.5	93.0	86.5	88.0	88.0	91.0
Lowest	42.5	46.0	44.0	45.0	49.2	48.4	42.0	38.0	40.0	34.0
Daily range	17.4	22.8	22.0	23.2	18.8	18.9	23.3	28.0	23.2	29.3
Monthly mean	64.9	71.9	68.8	70.3	70.5	71.5	66.9	64.1	67.5	62.9
August:										
Highest	85.8	90.0	87.0	88.0	89.3	86.8	87.3	85.0	90.0	85.0
Lowest	39.8	42.0	35.1	36.0	45.8	45.4	35.3	33.0	38.0	31.0
Daily range	17.8	16.4	18.4	19.2	15.3	16.3	22.8	23.1	23.8	27.7
Monthly mean	65.5	70.2	66.5	66.5	68.7	69.3	65.5	63.5	66.4	59.8
September:										
Highest	80.0	89.0	84.8	83.2	88.1	87.1	82.0	78.0	78.0	74.0
Lowest	35.0	35.0	32.9	33.5	38.1	37.8	28.9	27.0	32.0	27.0
Daily range	15.8	19.4	23.2	18.3	9.6	17.5	18.6	19.8	21.1	22.5
Monthly mean	58.2	62.0	56.7	58.5	58.1	61.0	57.1	54.9	58.2	52.3
October:										
Highest	72.5	79.0	74.0	73.5	76.3	75.2	69.5	70.0	72.0	69.0
Lowest	22.2	30.0	21.2	22.1	24.7	26.9	16.1	14.0	17.0	12.0
Daily range	16.9	16.7	18.7	17.9	15.9	16.9	18.5	19.6	20.0	23.4
Monthly mean	46.4	51.9	46.8	46.3	49.3	47.7	42.8	41.2	43.2	37.8
November:										
Highest	61.8	62.0	65.0	64.2	68.2	63.6	59.7	57.0	60.0	53.0
Lowest	15.0	16.0	19.0	15.1	18.7	14.9	—2.0	1.0	—10.0	—19.0
Daily range	10.4	11.4	12.7	11.9	10.4	9.8	13.6	13.7	13.1	18.2
Monthly mean	35.1	38.0	36.4	35.5	39.3	37.9	31.8	30.5	31.0	24.5
December:										
Highest	50.0	55.0	51.3	47.5	51.7	48.9	49.5	47.0	39.0	40.0
Lowest	1.0	4.0	—2.4	—2.5	3.0	—2.0	—15.5	—22.0	—27.0	—30.0
Daily range	11.3	10.9	12.0	12.6	12.5	11.9	14.7	18.5	17.3	22.9
Monthly mean	27.8	32.6	28.5	27.2	30.7	30.2	22.0	21.5	17.1	13.2
Annual mean	41.8	46.9	43.4	43.3	45.4	45.5	40.1	38.8	39.6	35.5

AVERAGE TEMPERATURE FOR FIFTY-NINE YEARS

TABLE II.—Showing for each month the monthly average for the highest, lowest, mean daily range and mean temperature at the principal stations in Ontario, derived from the fifty-nine years, 1882-1940; also the annual mean at each station for the same period.

Months	Southampton	Chatham	London	Woodstock	Vineland	Toronto	Lindsay	Beatrice	Ottawa	Montreal River
	°	°	°	°	°	°	°	°	°	°
January:										
Highest	44.3	46.8	45.8	45.5	49.5	45.6	41.6	40.7	40.9	38.2
Lowest	—10.2	—8.0	—12.0	—12.5	1.3	—6.2	—25.5	—33.0	—19.0	—30.0
Daily range	14.2	12.5	14.8	15.0	14.0	14.2	18.0	20.1	17.7	25.2
Monthly mean	21.0	22.8	21.8	20.6	25.2	23.0	16.2	14.2	12.0	5.8
February:										
Highest	43.9	49.5	46.5	45.2	48.2	45.2	41.8	41.4	40.4	40.9
Lowest	—3.3	3.0	—4.2	—4.5	4.9	1.6	—7.0	—22.0	—17.0	—28.0
Daily range	16.1	14.1	16.3	16.0	14.8	14.8	19.4	21.8	19.0	26.0
Monthly mean	19.0	22.4	20.9	19.8	23.6	22.0	15.9	13.7	13.0	8.1
March:										
Highest	54.6	60.7	59.8	57.4	60.0	56.9	52.9	50.9	49.9	51.3
Lowest	—2.0	3.1	0.8	0.9	6.6	4.9	6.1	—13.1	—7.8	—23.5
Daily range	16.2	15.3	17.1	16.0	14.6	14.3	18.4	20.5	17.3	25.9
Monthly mean	27.2	31.4	30.3	28.7	32.6	30.4	26.0	23.7	24.8	19.9
April:										
Highest	72.3	77.3	75.8	73.8	76.5	71.4	74.2	71.4	73.6	72.3
Lowest	16.2	19.9	18.8	18.1	21.4	21.5	14.4	10.1	15.6	4.0
Daily range	17.3	18.6	20.4	19.1	17.0	16.5	21.8	21.1	19.2	25.4
Monthly mean	39.9	44.3	43.0	42.0	43.9	42.8	41.2	38.8	41.2	37.1
May:										
Highest	79.8	84.4	83.5	81.1	84.5	81.1	83.3	81.1	83.5	84.5
Lowest	28.3	30.2	29.2	29.4	33.0	32.4	27.7	25.7	30.9	19.6
Daily range	29.3	21.5	22.9	21.6	20.3	19.3	24.2	23.7	21.9	27.4
Monthly mean	50.7	55.9	55.0	53.6	54.5	54.2	53.9	51.8	54.9	50.9
June:										
Highest	85.0	89.8	89.3	86.5	90.7	88.0	84.2	86.5	88.4	90.1
Lowest	37.5	39.5	38.1	38.8	41.5	42.5	38.2	35.3	41.1	32.6
Daily range	19.8	21.8	23.3	21.8	21.0	20.2	24.7	24.6	21.6	28.4
Monthly mean	60.3	65.7	64.7	63.4	65.1	64.4	63.5	61.6	64.6	60.8
July:										
Highest	87.8	94.0	92.9	90.0	93.1	91.9	92.1	89.5	91.3	92.1
Lowest	44.2	45.7	44.2	44.7	48.3	49.3	44.0	41.6	47.9	39.1
Daily range	19.8	22.4	23.4	22.2	21.0	20.2	24.7	23.9	21.1	28.8
Monthly mean	66.2	70.6	69.5	68.0	71.1	69.7	68.4	66.1	68.9	65.9
August:										
Highest	86.3	91.6	91.0	88.5	92.8	89.4	90.2	87.3	89.2	88.4
Lowest	42.2	44.3	41.3	42.2	46.3	47.2	40.7	37.6	44.0	35.8
Daily range	18.4	21.5	23.4	22.7	20.5	21.3	24.5	23.4	21.3	26.1
Monthly mean	64.8	68.5	67.1	65.6	69.0	66.8	65.7	63.8	66.4	62.0
September:										
Highest	84.4	88.6	87.3	85.0	89.2	85.8	85.5	82.9	85.0	83.5
Lowest	34.8	35.6	32.4	33.0	36.5	37.2	31.7	29.6	33.5	28.1
Daily range	18.2	20.2	22.3	21.0	19.7	18.5	22.6	21.8	20.6	24.2
Monthly mean	59.1	62.4	60.7	59.4	62.5	60.8	58.4	57.0	58.7	54.5
October:										
Highest	74.6	77.4	76.1	74.3	77.5	74.1	74.2	72.2	72.9	72.6
Lowest	25.8	26.9	24.1	24.2	26.8	27.4	21.5	20.0	23.8	17.1
Daily range	16.2	17.6	19.9	18.6	18.2	16.2	20.0	19.0	17.9	19.9
Monthly mean	48.1	30.5	48.5	47.4	50.7	49.0	46.3	45.3	46.1	42.6
November:										
Highest	61.7	64.0	62.4	61.8	65.7	61.1	59.7	58.6	59.2	55.7
Lowest	14.1	15.0	13.2	12.4	17.8	15.7	6.3	4.8	7.1	—2.4
Daily range	13.3	12.7	12.7	14.0	13.8	12.6	15.4	14.9	13.0	15.7
Monthly mean	36.8	38.2	36.0	35.8	39.6	37.9	33.8	32.7	32.9	28.6
December:										
Highest	48.6	50.1	51.5	48.5	52.7	48.8	45.5	44.3	43.1	42.6
Lowest	0.2	1.7	—1.7	—2.6	1.2	0.3	—12.5	—16.2	—14.8	—25.7
Daily range	12.3	10.8	13.1	12.9	12.3	12.3	15.9	17.0	14.9	19.9
Monthly mean	26.5	27.5	26.4	25.2	29.2	27.7	21.3	20.1	17.9	13.5
The year	43.3	45.0	45.3	44.1	47.3	45.7	42.6	40.7	41.8	37.5

RAIN AND SNOW

Table III.—Summary of the total fall of rain and snow and the number of days on which rain and snow fell in Ontario during 1940, at stations reporting the whole year, and the average of the Province.

Stations	Rain		Snow	
	Inches	Days	Inches	Days
Algoma:				
Biscotasing	20.10	73	81.9	52
Franz	22.15	84	137.6	74
Kapuskasing	17.82	91	94.0	51
Steep Hill Falls	In	com	plete	
Brant:				
Brantford	31.96	94	84.9	39
Paris	32.43	99	94.0	36
Bruce:				
Southampton	24.92	113	140.2	75
Tobermory	25.26	58	84.0	31
Walkerton	In	com	plete	
Carleton:				
Ottawa	21.21	87	87.0	59
Dundas:				
Morrisburg	28.23	113	93.5	66
Orono	28.15	104	129.3	55
Elgin:				
St. Thomas	34.89	108	92.6	40
Essex:				
Harrow	28.88	122	47.0	45
Leamington	29.25	89	47.8	38
Frontenac:				
Kingston	26.50	102	109.2	53
Grey:				
Eugenia	19.05	64	103.5	28
Halton:				
Georgetown	27.13	70	67.9	26
Hastings:				
Belleville	21.26	98	114.0	74
Queensboro	20.02	73	Not meas	ured
Trenton	27.17	86	93.8	37
Huron:				
Brucefield	25.56	69	95.5	42
Lucknow	22.79	84	150.4	61
Ridgecrest	21.76	77	75.5	22
Kenora:				
Ignace	12.04	57	70.5	44
Kent:				
Chatham	27.18	97	63.0	36
Leeds:				
Brockville	28.62	90	103.4	36
Lincoln:				
St. Catharines	22.13	97	58.1	40
Vineland	28.07	114	70.7	41
Manitoulin:				
Providence Bay	In	com	plete	
Middlesex:				
London	36.06	135	83.3	66
Lucan	35.02	107	149.9	57
Muskoka:				
Beatrice	29.50	105	111.5	50
Nipissing:				
Algonquin Park	21.57	61	95.7	57
Haileybury	24.45	102	71.8	86
Iroquois Falls	23.21	81	103.5	73
Madawaska	16.26	51	79.0	32
Montreal River	26.24	105	72.4	67
North Bay	28.99	115	54.5	72
Rutherglen	In	com	plete	

Stations	Rain		Snow	
	Inches	Days	Inches	Days
Norfolk:				
Simcoe	34.41	106	135.1	51
Northumberland:				
Healey Falls	21.73	87	107.2	43
Oxford:				
Woodstock	33.70	114	99.7	69
Parry Sound:				
Magnetawan	In	com	plete	
Nipissing:				
Parry Sound	29.07	116	44.0	69
Peel:				
Alton	25.19	55	84.5	40
Perth:				
Stratford	34.51	110	144.5	64
Peterborough:				
Apsley	25.70	111	105.4	57
Lakefield	17.91	73	98.5	29
Peterborough	25.65	105	96.2	53
Rainy River:				
Emo	16.69	58	71.2	38
Fort Frances	16.10	45	73.6	32
Kenora	14.51	66	67.8	71
Mine Centre	14.37	49	67.2	33
Sioux Lookout	12.23	73	79.6	71
Atikokan	13.36	29	55.5	24
Renfrew:				
Clontarf	19.93	70	86.8	39
Pembroke	23.08	75	79.3	42
Simcoe:				
Beeton	24.23	90	71.3	37
Orillia	26.83	95	108.4	45
Washago	30.48	108	109.0	41
Sudbury:				
Chapleau	19.69	74	71.0	54
Coniston	22.84	75	51.9	45
Timmins	23.02	78	76.7	61
Thunder Bay:				
Kakabeka Falls	16.77	73	58.6	28
Port Arthur	16.30	83	89.3	45
Savanne	15.32	52	61.2	30
Schreiber	19.14	71	73.2	48
Victoria:				
Fenelon Falls	22.74	....	78.2	40
Lindsay	22.88	....	99.1	63
Welland:				
Welland	33.27	110	81.8	58
Wellington:				
Guelph	32.67	99	77.6	47
York:				
Agincourt	28.21	105	58.3	42
Toronto	28.77	110	66.2	57
Average for the Province 1940	24.96	88	89.5	48
1939	21.81	83	79.5	45
1938	25.61	92	67.6	41
1882–1940	24.29	74	73.2	40

RAIN AND SNOW

TABLE IV.—Monthly summary of inches of rain and snow in precipitation in the several districts in Ontario in 1940. Also the average derived from the fifty-nine years, 1882-1940.

Months	West and Southwest		North and Northwest		Centre		East and Northeast		The Province	
	Rain	Snow	Rain	Snow	Rain	Snow	Rain	Snow	Rain	Snow
1940	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
January	0.71	28.6	0.00	13.5	0.45	18.5	0.42	19.2	0.39	19.9
February	0.18	17.2	Trace	9.1	0.28	16.0	0.05	16.9	0.13	14.8
March	0.58	20.6	0.27	11.8	0.76	18.5	0.69	22.8	0.58	18.4
April	2.02	3.6	1.19	7.5	1.91	3.5	2.36	3.7	1.87	4.6
May	4.32	0.1	3.08	0.6	4.41	0.0	4.55	0.0	4.09	0.2
June	4.68	......	3.29	......	3.32	......	2.55	......	3.46	......
July	2.40	......	2.34	......	2.59	......	2.81	......	2.54	......
August	4.95	......	3.12	......	3.32	......	1.71	......	3.27	......
September	2.98	......	2.15	0.1	3.65	......	2.12	......	2.72	......
October	2.34	0.4	1.78	1.1	2.17	0.4	1.88	0.3	2.04	0.6
November	2.29	13.7	1.44	19.8	2.48	15.2	2.22	21.6	2.11	17.6
December	2.14	13.9	0.22	14.1	2.21	10.9	2.47	14.7	1.76	13.4
The year	29.59	98.1	18.88	77.6	27.55	83.0	23.83	99.2	24.96	89.5
1882–1940										
January	1.18	16.2	0.48	22.4	1.06	16.8	0.99	19.2	0.93	18.7
February	1.07	13.6	0.32	17.7	0.86	14.2	0.62	16.3	0.72	15.5
March	1.37	09.2	0.75	13.4	1.29	10.5	1.22	11.9	1.16	11.2
April	2.22	2.4	1.49	4.9	2.08	3.2	1.85	3.6	1.91	3.5
May	2.96	0.1	2.39	0.3	2.71	0.1	2.64	0.1	2.67	0.1
June	2.94	......	2.79	......	2.78	.....	2.79	......	2.82	.....
July	2.72	......	3.12	......	2.83	......	2.87	......	2.86	......
August	2.73	.....	2.81	......	2.47	.....	2.62	......	2.66	......
September	2.78	....	3.11	Trace	2.65	.....	2.71	Trace	2.81	......
October	2.68	0.8	2.71	2.6	2.55	0.8	2.45	0.9	2.60	1.3
November	2.25	5.9	1.62	12.0	2.06	5.6	1.97	7.0	1.97	7.6
December	1.81	14.2	0.63	19.8	1.18	13.0	1.09	14.3	1.18	15.3
The year	26.71	62.4	22.12	93.1	24.52	64.2	23.82	73.3	24.29	73.2

SUNSHINE

TABLE V.—Monthly summary of bright sunshine at the principal stations in Ontario for 1940 showing the number of hours the sun was above the horizon, the hours of registered sunshine, the total for the year and average derived from the fifty-nine years, 1882-1940.

Months	Sun above horizon	Woodstock	Toronto	Lindsay	Ottawa	Average of five stations		
						1940	1939	1882–1940
1940	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.
January	285.7	59.0	101.0	99.0	122.0	95.3	62.5	....
February	302.5	105.0	107.0	112.0	132.0	114.0	84.7	....
March	369.9	110.0	138.0	128.0	131.0	126.8	137.2	....
April	406.4	171.0	171.0	167.0	162.0	167.8	137.7	....
May	461.1	165.0	156.0	158.0	189.0	167.0	237.9	....
June	465.7	244.0	198.0	200.0	226.0	217.0	243.6	....
July	470.9	314.0	293.0	280.0	283.0	292.5	308.0	....
August	434.5	221.0	221.0	236.0	256.0	233.5	287.5	....
September	376.3	178.0	183.0	146.0	183.0	172.5	173.1	....
October	340.2	156.0	152.0	140.0	147.0	148.7	135.7	....
November	286.9	60.0	63.0	59.0	67.0	62.2	118.1	....
December	274.3	57.0	67.0	65.0	61.0	62.5	65.9	....
For year	4,474.4	1,840.0	1,850.0	1,790.0	1,959.0	1,859.8	1,991.9	....
1882–1940								
January	....	66.4	77.1	71.9	89.6	....	....	76.2
February	....	93.5	106.7	98.0	112.6	....	....	102.7
March	....	125.6	148.1	137.5	148.3	....	....	139.9
April	....	166.8	183.6	170.2	186.4	....	....	176.7
May	....	218.0	227.2	204.3	218.9	....	....	217.1
June	....	219.3	227.9	205.0	219.6	....	....	218.0
July	....	281.8	288.5	247.1	265.6	....	....	270.7
August	....	239.7	255.2	223.4	246.7	....	....	241.3
September	....	177.8	203.3	173.5	174.8	....	....	182.3
October	....	146.9	152.9	127.0	133.4	....	....	140.1
November	....	77.3	83.9	69.6	81.5	....	....	78.1
December	....	55.9	65.5	57.3	67.8	....	....	61.6
For year	....	1,869.0	2,019.9	1,784.8	1,945.2	....	....	1,904.7

RURAL AREA ASSESSED

TABLE VI.—Showing by County Municipalities the rural area of Ontario as returned by Municipal Assessors for 1940 to the Department of Municipal Affairs.

Counties and Districts	Acres of Assessed Land			Acres Cleared			Per cent. cleared
	Resident	Non-resident	Total	Resident	Non-resident	Total	
Algoma	253,273	83,341	336,614	68,606	5,663	74,269	22.06
Brant	214,576	....	214,576	178,169	....	178,169	83.03
Bruce	925,670	5,881	931,551	578,135	5,621	583,756	62.66
Carleton	537,713	20,543	558,256	372,191	10,611	382,802	68.57
Cochrane	123,613	43,042	166,655	23,542	6,349	29,891	17.94
Dufferin	356,076	....	356,076	285,343	....	285,343	80.14
Dundas	240,089	....	240,089	192,492	....	192,492	80.18
Durham	366,553	3,881	370,434	310,035	2,220	312,255	84.29
Elgin	423,685	11,532	435,217	355,567	9,081	364,648	83.79
Essex	409,668	7,215	416,883	373,665	7,022	380,687	91.32
Frontenac	608,027	73,377	681,404	233,317	12,834	246,151	36.12
Glengarry	287,590	1,173	288,763	194,009	750	194,759	67.45
Grenville	267,652	4,088	271,740	182,126	2,632	184,758	67.99
Grey	1,065,003	588	1,065,591	692,436	62	692,498	64.99
Haldimand	279,767	2,038	281,805	243,386	1,562	244,948	86.92
Haliburton	441,136	40,058	481,194	39,845	5,606	45,451	9.45
Halton	220,919	2,950	223,869	175,384	1,931	177,315	79.20
Hastings	950,402	124,079	1,074,481	403,238	12,745	415,983	38.71
Huron	784,452	16,222	800,674	664,533	13,982	678,515	84.74
Kenora	87,090	13,258	100,348	10,789	2,635	13,424	13.38
Kent	559,791	9,164	568,955	502,621	7,226	509,847	89.61
Lambton	649,099	10,025	659,124	555,549	9,445	564,994	85.72
Lanark	646,694	13,442	660,136	337,440	4,065	341,505	51.73
Leeds	466,521	2,842	469,363	270,358	579	270,937	57.72
Lennox & Addington	406,271	20,763	427,034	251,920	4,670	256,590	60.09
Lincoln	187,661	412	188,073	162,850	300	163,150	86.75
Manitoulin	293,113	79,506	372,619	51,879	1,820	53,699	14.41
Middlesex	741,150	15,067	756,217	668,121	11,710	679,831	89.90
Muskoka	515,921	42,016	557,937	71,090	3,468	74,558	13.36
Nipissing	286,507	16,084	302,591	69,313	3,070	72,383	23.92
Norfolk	394,129	5,340	399,469	254,796	3,364	258,160	64.63
Northumberland	434,772	520	435,292	350,094	480	350,574	80.54
Ontario	498,442	5,329	503,771	378,048	2,743	380,791	75.59
Oxford	466,564	4,070	470,634	407,708	3,264	410,972	87.32
Parry Sound	505,205	93,573	598,778	89,912	16,625	106,537	17.79
Peel	286,062	2,754	288,816	263,909	2,122	266,031	92.11
Perth	518,149	....	518,149	460,950	....	460,950	88.96
Peterborough	531,976	43,285	575,261	272,831	9,023	281,854	49.00
Prescott	281,034	4,621	285,655	217,963	3,153	221,116	77.41
Prince Edward	235,159	....	235,159	198,547	....	198,547	84.43
Rainy River	337,584	53,324	390,908	61,128	5,498	66,626	17.04
Renfrew	1,001,307	82,615	1,083,922	374.460	24,294	398,754	36.79
Russell	233,997	18,051	252,048	162,037	11,597	173,634	68.89
Simcoe	937,610	17,588	955,198	686.622	8,369	694,991	72.76
Stormont	246,481	....	246,481	170,455	....	170,455	69.16
Sudbury	357,543	69,083	426,626	84,916	15,506	100,422	23.54
Thunder Bay	491,822	29,157	520,979	65,818	3,129	68,947	13.23
Timiskaming	261,371	30,843	292,214	83,771	4,236	88,007	30.12
Victoria	585,138	34,592	619,730	300,967	4,462	305,429	49.28
Waterloo	305,576	....	305,576	256,237	....	256,237	83.85
Welland	218,934	2,221	221,155	181,877	1.068	183,545	82.99
Wellington	627,108	....	627,108	521,201	....	521,201	83.11
Wentworth	263,942	....	263,942	205,346	....	205,346	77.80
York	507,961	17,045	525,006	434,229	5,387	439,616	83.74
The Province:							
1940	24,123,548	1,176,598	25,300,146	15,001,771	272,579	15,274,350	60.37
1939	24,059,164	1,265.856	25,325,020	14,936,408	306,795	15,243,203	60.19
1938	24,068,565	1,250.261	25,318,826	15,025,184	293,233	15,318,417	60.50

NOTE.—Statistics regarding non-resident lands which should include unoccupied lands assessable are not satisfactory, as many assessors do not make any distinction on their rolls.

FALL WHEAT AND SPRING WHEAT

TABLE VII.—Showing by County Municipalities of Ontario the area, produce and market value of Fall Wheat and Spring Wheat for the year 1940, together with the comparative totals for the Province for 1939.

Counties and Districts	Fall Wheat				Spring Wheat			
	Acres	Per acre	Bushels	Market value	Acres	Per acre	Bushels	Market value
				$				$
Algoma	314	22.6	7,096	5,095	1,004	17.0	17,068	12,118
Brant	16,248	24.5	398,076	251,982	253	20.3	5,136	3,261
Bruce	30,353	31.5	956,120	590,882	825	19.4	16,005	9,443
Carleton	465	24.1	11,206	7,486	4,754	18.0	85,572	58,333
Cochrane	61	23.0	1,403	981	267	15.3	4,085	2,819
Dufferin	4,129	28.6	118,089	74,396	1,590	18.6	29,574	17,744
Dundas	96	21.1	2,025	1,387	875	16.5	14,438	9,818
Durham	13,683	28.2	385,861	246,179	1,963	18.9	37,101	24,374
Elgin	19,293	25.4	490,042	313,627	366	19.5	7,137	4,568
Essex	43,388	25.8	1,119,410	676,124	1,231	20.8	25,605	15,773
Frontenac	524	24.1	12,628	8,574	1,637	18.6	30,448	20,705
Glengarry	244	24.0	5,856	4,087	1,414	16.6	23,472	16,430
Grenville	110	24.1	2,651	1,776	384	18.0	6,922	4,638
Grey	24,006	28.1	674,568	423,629	2,105	18.2	38,311	22,987
Haldimand	22,256	25.7	571,979	354,627	957	19.6	18,757	11,817
Haliburton	16	24.3	389	246	52	17.2	894	554
Halton	12,138	30.2	366,567	230,571	1,645	21.1	34,710	20,826
Hastings	6,351	29.2	185,449	119,058	1,543	18.3	28,237	17,789
Huron	48,744	28.7	1,398,953	895,330	1,506	19.8	29,819	18,190
Kenora	18	20.0	360	257	308	14.4	4,435	3,105
Kent	63,941	28.3	1,809,530	1,136,385	1,591	21.5	34,207	21,550
Lambton	64,716	28.3	1,831,463	1,117,192	1,027	21.9	22,491	13,720
Lanark	316	24.0	7,584	4,990	3,196	17.3	55,291	37,492
Leeds	488	25.8	12,590	8,599	867	20.2	17,513	11,909
Lennox & Add'gton	1,625	23.3	37,863	25,103	2,371	22.0	52,262	35,493
Lincoln	13,221	26.0	343,746	209,685	418	20.2	8,444	5,151
Manitoulin	589	24.2	14,254	10,234	326	19.2	6,259	4,444
Middlesex	55,956	27.6	1,544,386	948,253	801	20.8	16,661	10,263
Muskoka	44	22.3	981	670	108	16.7	1,804	1,209
Nipissing	47	18.1	851	611	452	18.1	8,181	5,809
Norfolk	15,120	29.1	439,992	269,715	489	20.6	10,073	6,044
Northumberland	15,187	29.5	448,016	285,834	1,725	19.2	33,120	20,866
Ontario	17,893	29.2	522,476	324,457	1,998	19.8	39,560	25,132
Oxford	29,184	28.6	834,662	530,845	368	20.5	7,544	4,813
Parry Sound	39	22.1	862	578	301	19.5	5,870	3,874
Peel	17,623	29.6	521,641	331,764	1,677	20.2	33,875	20,630
Perth	30,114	30.5	918,477	608,950	664	20.1	13,346	8,475
Peterborough	12,391	28.4	351,904	229,793	932	18.1	16,869	10,796
Prescott	222	22.7	5,039	3,371	968	18.6	18,005	12,063
Prince Edward	3,755	28.0	105,140	64,135	698	17.9	12,494	7,496
Rainy River	163	18.3	2,983	2,187	1,169	16.5	19,289	13,888
Renfrew	1,121	26.0	29,146	19,324	8,609	17.7	152,658	101,434
Russell	78	23.0	1,794	1,161	785	16.4	12,875	8,369
Simcoe	64,093	31.1	1,992,320	1,286,357	2,649	18.5	49,007	31,139
Stormont	152	23.6	3,587	2,514	662	17.0	11,254	7,878
Sudbury	77	19.0	1,463	1,086	601	14.5	8,715	6,362
Thunder Bay	102	18.2	1,856	1,338	1,125	16.6	18,675	13,259
Timiskaming	50	20.5	1,025	771	921	15.4	14,183	10,495
Victoria	15,243	27.6	420,707	261,259	1,101	19.4	21,359	13,029
Waterloo	24,104	31.7	764,097	498,955	358	18.6	6,659	4,162
Welland	19,409	20.0	388,180	228,250	342	18.5	6,327	3,733
Wellington	15,669	30.4	476,338	306,762	1,962	19.0	37,278	23,485
Wentworth	15,986	28.1	449,206	276,711	594	21.0	12,474	7,709
York	34,245	32.3	1,106,113	717,867	2,666	22.0	58,652	38,537
The Province:								
1940	775,400	28.5	22,099,000	13,922,000	69,200	18.8	1,301,000	846,000
1939	734,988	30.3	22,271,000	14,253,000	81,757	18.9	1,550,000	1,023,000

OATS AND BARLEY

TABLE VIII.—Showing by County Municipalities of Ontario the area, produce and market value of Oats and Barley for the year 1940, together with the comparative totals for the Province for 1939.

Counties and Districts	Oats				Barley			
	Acres	Per acre	Bushels	Market value	Acres	Per acre	Bushels	Market value
				$				$
Algoma	11,629	29.5	343,056	124,529	1,681	23.0	38,663	18,868
Brant	27,617	42.0	1,159,914	366,533	4,991	33.2	165,701	70,257
Bruce	84,749	35.8	3,034,033	1,066,230	17,664	35.0	618,240	267,080
Carleton	67,102	32.1	2,488,831	821,314	15,157	28.7	435,006	208,368
Cochrane	3,851	25.2	97,045	40,080	923	22.2	20,491	10,246
Dufferin	40,262	36.0	1,449,432	437,728	13,230	31.1	411,453	175,690
Dundas	18,469	24.5	452,491	156,109	10,487	23.1	242,250	116,765
Durham	39,509	37.4	1,477,636	465,455	8,146	28.9	235,419	102,878
Elgin	50,170	44.5	2,232,565	712,188	4,950	35.1	173,745	75,579
Essex	63,273	46.6	2,948,522	908,145	6,859	35.8	245,552	108,780
Frontenac	31,329	39.4	1,234,363	386,356	4,033	32.0	129,056	59,753
Glengarry	40,320	31.8	1,282,176	415,425	8,005	28.0	224,140	109,156
Grenville	24,955	30.3	756,136	261,623	3,096	29.0	89,784	43,276
Grey	114,452	34.7	3,971,484	1,250,960	28,437	32.5	923,716	386,113
Haldimand	35,806	41.7	1,493,110	455,399	7,398	34.7	256,711	111,669
Haliburton	6,525	36.0	234,900	77,752	341	26.0	8,866	3,919
Halton	24,830	44.3	1,099,969	360,790	8,695	33.9	294,761	126,747
Hastings	73,626	42.0	3,096,689	931,000	12,003	25.6	307,277	137,660
Huron	89,817	39.2	3,520,826	1,058,352	28,774	31.2	897,749	383,339
Kenora	2,554	22.6	57,720	21,760	722	21.0	15,162	7,536
Kent	60,217	49.1	2,956,655	892,910	10,545	41.2	434,454	191,594
Lambton	78,547	45.3	3,558,179	1,060,337	15,144	32.7	495,209	215,911
Lanark	34,899	34.0	1,186,566	376,141	8,031	26.3	211,215	97,793
Leeds	40,132	36.0	1,444,752	478,213	4,940	28.1	138,814	64,132
Lennox & Add'gton	36,640	37.5	1,374,000	430,062	6,401	27.0	172,827	78,982
Lincoln	19,230	40.6	780,738	240,467	1,503	31.6	47,495	20,518
Manitoulin	6,848	35.2	241,050	86,537	1,649	29.4	48,481	24,822
Middlesex	95,306	46.0	4,388,627	1,378,029	16,814	35.5	596,897	261,441
Muskoka	10,542	30.8	324,694	116,240	418	28.0	11,704	5,653
Nipissing	16,093	27.7	445,776	174,298	2,495	28.0	69,860	33,114
Norfolk	33,707	42.5	1,434,797	434,743	2,925	36.0	105,300	44,963
Northumberland	59,332	40.6	2,408,585	768,339	7,860	29.6	232,656	103,067
Ontario	57,612	42.8	2,465,794	776,725	14,987	33.7	505,062	219,702
Oxford	53,517	41.0	2,194,197	721,891	9,519	37.4	356,011	154,865
Parry Sound	18,298	32.6	596,515	209,973	1,522	29.6	45,051	21,579
Peel	32,452	41.0	1,330,532	412,465	15,824	35.1	555,422	237,165
Perth	60,999	36.6	2,232,563	713,443	23,060	33.9	781,734	354,126
Peterborough	45,027	40.2	1,810,085	606,378	6,066	27.8	168,635	76,223
Prescott	50,957	30.8	1,569,476	499,093	8,714	25.0	217,850	98,468
Prince Edward	25,859	37.0	956,783	289,905	6,398	26.4	168,907	75,501
Rainy River	6,259	29.4	184,015	59,253	4,046	28.0	113,288	54,038
Renfrew	66,996	37.1	2,585,058	829,804	10,227	25.0	255,675	119,400
Russell	34,252	28.5	976,182	303,593	7,064	24.0	169,536	75,952
Simcoe	107,902	34.0	3,665,017	1,282,825	36,840	29.0	1,067,676	442,000
Stormont	28,211	29.4	829,403	276,191	5,578	27.0	150,606	73,195
Sudbury	14,336	26.0	372,736	135,303	2,294	25.4	58,268	28,551
Thunder Bay	5,182	27.5	142,505	49,592	1,853	23.5	43,546	20,554
Timiskaming	12,480	25.0	312,000	113,256	3,263	22.0	71,786	33,955
Victoria	51,335	34.6	1,776,191	539,962	16,039	28.7	460,319	194,715
Waterloo	41,908	38.0	1,592,504	546,229	8,273	33.9	280,455	130,131
Welland	23,004	31.4	722,326	218,142	1,748	22.8	39,854	17,894
Wellington	81,284	39.2	3,186,333	1,054,676	19,265	32.8	631,892	271,714
Wentworth	30,101	40.7	1,225,111	371,209	5,257	32.6	171,378	70,608
York	63,691	44.8	2,853,357	933,048	26,846	33.8	907,395	391,995
The Province:								
1940	2,254,000	38.4	86,554,000	27,697,000	499,000	31.1	15,519,000	6,828,000
1939	2,274,126	38.1	86,639,000	29,457,000	522,232	31.8	16,600,000	7,636,000

PEAS AND BEANS

TABLE IX.—Showing by County Municipalities of Ontario the area, produce and market value of Peas and Beans for the year 1940, together with the comparative totals for the Province for 1939.

Counties and Districts	Peas				Beans			
	Acres	Per acre	Bushels	Market value	Acres	Per acre	Bushels	Market value
				$				$
Algoma	618	16.2	10,012	19,924	15	11.9	179	358
Brant	532	15.0	7,980	14,763	198	14.1	2,792	4,467
Bruce	1,412	20.0	28,240	52,244	232	14.3	3,318	5,475
Carleton	887	20.0	17,740	37,254	164	15.3	2,509	4,893
Cochrane	294	14.5	4,263	8,270	6	10.2	61	123
Dufferin	713	19.0	13,547	23,301	63	12.9	813	1,358
Dundas	54	17.6	950	2,090	101	12.6	1,273	2,470
Durham	3,587	14.0	50,218	87,882	458	12.0	5,496	10,058
Elgin	607	17.5	10,623	20,184	14,060	15.5	217,930	326,895
Essex	1,302	18.0	23,436	43,825	2,171	14.2	30,828	46,242
Frontenac	175	15.6	2,730	5,842	105	12.3	1,292	2,494
Glengarry	176	15.5	2,728	5,592	114	11.0	1,254	2,395
Grenville	92	18.5	1,702	3,574	92	11.2	1,030	1,978
Grey	2,177	18.6	40,492	70,051	88	13.1	1,153	1,868
Haldimand	300	16.3	4,890	9,047	149	14.2	2,116	3,428
Haliburton	50	12.5	625	1,125	14	10.3	144	261
Halton	152	22.5	3,420	6,156	59	15.5	915	1,601
Hastings	1,299	18.6	24,161	42,282	172	10.6	1,823	3,281
Huron	1,995	18.3	36,509	63,891	17,161	14.3	245,835	435,438
Kenora	21	12.8	269	565	5	10.0	50	100
Kent	874	14.8	12,935	24,447	31,404	14.6	458,359	833,213
Lambton	777	15.2	11,810	22,675	3,246	18.0	58,428	109,260
Lanark	1,393	18.9	26,328	55,815	103	12.0	1,236	2,410
Leeds	122	17.6	2,147	4,187	95	12.0	1,140	2,188
Lennox & Add'gton	461	15.0	6,915	13,277	148	13.5	1,998	3,856
Lincoln	62	14.0	868	1,632	124	12.8	1,587	2,936
Manitoulin	433	16.0	6,928	13,094	14	14.5	203	410
Middlesex	986	19.1	18,833	35,971	10,043	16.0	160,688	292,893
Muskoka	128	17.4	2,227	4,031	8	10.4	83	152
Nipissing	525	17.8	9,345	17,756	41	13.3	545	1,090
Norfolk	874	14.8	12,935	24,577	357	15.0	5,355	9,318
Northumberland	2,237	15.5	34,674	61,373	420	12.3	5,166	9,247
Ontario	1,238	17.4	21,541	39,205	123	14.6	1,796	3,251
Oxford	689	16.9	11,644	21,542	332	13.7	4,584	8,022
Parry Sound	427	15.3	6,533	12,086	25	10.9	273	500
Peel	419	18.0	7,542	13,726	16	15.0	240	427
Perth	1,418	19.6	27,793	51,695	595	14.5	8,628	16,393
Peterborough	1,329	11.9	15,815	28,467	55	14.0	770	1,386
Prescott	853	16.4	13,989	29,657	209	15.8	3,302	6,406
Prince Edward	3,489	14.8	51,607	91,344	103	14.5	1,494	2,689
Rainy River	93	14.0	1,302	2,539	34	12.1	411	822
Renfrew	10,837	14.0	151,216	296,874	372	14.7	5,468	10,663
Russell	356	17.8	6,337	13,561	235	14.6	3,431	6,519
Simcoe	2,592	16.8	43,546	78,383	401	14.6	5,855	10,656
Stormont	98	17.3	1,695	3,560	72	15.4	1,109	2,118
Sudbury	633	13.5	8,546	16,152	23	13.0	299	610
Thunder Bay	432	17.1	7,387	14,183	24	12.4	298	596
Timiskaming	551	15.0	8,265	16,117	4	10.8	43	86
Victoria	1,807	15.9	28,731	53,152	40	15.0	600	1,086
Waterloo	418	19.6	8,193	14,829	102	15.5	1,581	3,020
Welland	94	14.1	1,325	2,504	253	12.6	3,188	5,483
Wellington	1,019	20.0	20,380	37,703	192	14.2	2,726	5,098
Wentworth	555	17.3	9,602	18,436	141	14.3	2,016	3,487
York	538	19.7	10,531	19,588	19	15.2	289	526
The Province:								
1940	55,200	16.2	894,000	1,672,000	84,800	14.9	1,264,000	2,212,000
1939	51,902	17.1	887,000	1,570,000	62,527	21.4	1,338,000	3,011,000

RYE AND BUCKWHEAT

TABLE X.—Showing by County Municipalities of Ontario the area, produce and market value of Rye and Buckwheat for the year 1940, together with the comparative totals for the Province for 1939.

Counties and Districts	Rye				Buckwheat			
	Acres	Per acre	Bushels	Market value	Acres	Per acre	Bushels	Market value
				$				$
Algoma	92	16.3	1,500	863	173	18.1	3,131	1,638
Brant	4,977	17.8	88,591	43,675	2,422	21.6	52,315	23,280
Bruce	502	20.5	10,291	5,084	4,539	23.5	106,667	48,960
Carleton	244	21.5	5,246	2,796	6,473	21.3	137,875	67,283
Cochrane	19	17.6	334	189	51	15.1	770	413
Dufferin	1,890	19.4	36,666	17,893	2,895	20.2	58,479	26,082
Dundas	192	20.7	3,974	2,138	3,589	21.5	77,164	38,968
Durham	8,588	17.5	150,290	71,538	6,222	18.7	116,352	53,638
Elgin	2,316	19.6	45,394	21,698	3,441	21.4	73,637	33,063
Essex	824	19.0	15,656	7,906	545	21.5	11,718	5,086
Frontenac	468	20.3	9,500	4,969	1,879	19.5	36,641	18,614
Glengarry	72	20.4	1,469	786	3,381	22.0	74,382	35,183
Grenville	149	20.3	3,025	1,573	7,166	22.5	161,235	76,103
Grey	244	19.3	4,709	2,416	4,231	19.4	82,081	34,802
Haldimand	621	20.2	12,544	6,435	715	21.3	15,230	7,051
Haliburton	64	18.0	1,152	551	401	19.7	7,900	3,792
Halton	463	21.2	9,816	4,800	742	22.4	16,621	7,563
Hastings	3,471	19.1	66,296	32,154	5,246	19.8	103,871	48,612
Huron	306	20.2	6,181	3,047	7,924	21.9	173,536	74,447
Kenora	3	15.5	47	28	16	15.3	245	133
Kent	1,025	22.0	22,550	11,185	1,286	21.7	27,906	12,083
Lambton	640	21.2	13,568	6,960	859	20.4	17,524	7,676
Lanark	293	19.6	5,743	3,004	7,376	18.6	137,294	68,922
Leeds	191	19.2	3,667	1,900	5,236	19.5	102,102	51,357
Lennox & Add'gton	1,167	18.1	21,183	10,867	4,092	17.1	69,973	33,797
Lincoln	427	20.0	8,540	4,552	181	21.0	3,801	1,714
Manitoulin	53	21.0	1,113	652	549	23.5	12,902	6,890
Middlesex	957	20.0	19,140	9,857	4,552	22.1	100,599	44,163
Muskoka	58	18.6	1,079	544	287	20.0	5,740	2,876
Nipissing	74	18.1	1,339	770	808	20.8	16,806	9,327
Norfolk	9,948	19.7	195,976	97,400	2,968	22.3	66,186	27,335
Northumberland	9,469	18.9	178,964	91,809	10,961	21.9	240,430	107,102
Ontario	5,281	19.4	102,455	51,945	7,474	23.0	171,982	78,940
Oxford	2,035	21.1	42,939	22,028	4,125	23.1	95,288	41,641
Parry Sound	53	16.5	875	449	296	20.7	6,127	2,941
Peel	1,161	19.7	22,872	10,132	1,094	21.2	23,193	9,811
Perth	173	20.5	3,547	1,820	5,199	22.6	117,497	54,754
Peterborough	1,483	17.3	25,656	13,162	3,503	22.5	78,818	35,862
Prescott	80	20.0	1,600	838	2,846	20.2	57,489	28,974
Prince Edward	4,625	18.0	83,250	41,459	5,142	20.0	102,840	45,147
Rainy River	87	16.7	1,453	849	276	17.4	4,802	2,704
Renfrew	4,214	18.7	78,962	41,929	7,238	18.0	130,284	63,709
Russell	76	18.3	1,391	743	2,963	18.5	54,816	26,202
Simcoe	5,424	21.0	113,904	57,066	10,862	21.6	234,619	97,132
Stormont	81	17.6	1,426	763	2,846	19.8	56,351	26,767
Sudbury	162	17.0	2,754	1,619	764	18.5	14,134	7,830
Thunder Bay	70	18.1	1,267	735	136	19.0	2,584	1,481
Timiskaming	52	17.2	894	519	285	17.0	4,845	2,733
Victoria	1,055	17.3	18,252	9,400	7,342	16.5	121,243	53,104
Waterloo	902	21.7	19,573	9,689	1,522	20.3	30,897	14,985
Welland	357	17.0	6,069	3,132	681	15.3	10,419	4,511
Wellington	648	20.6	13,349	6,568	9,082	22.5	204,345	95,225
Wentworth	692	22.1	15,293	8,212	1,596	20.2	32,239	14,540
York	2,982	18.0	53,676	25,904	6,022	21.6	130,075	59,054
The Province:								
1940	81,500	19.1	1,557,000	779,000	182,500	20.8	3,796,000	1,746,000
1939	75,652	18.2	1,378,000	799,000	168,404	21.2	3,570,000	1,856,000

FLAX AND MIXED GRAINS

TABLE XI.—Showing by County Municipalities of Ontario the area, produce and market value of Flax and Mixed Grains for the year 1940, together with the comparative totals for the Province for 1939.

Counties and Districts	Flax				Mixed Grains			
	Acres	Per acre	Bushels	Market value	Acres	Per acre	Bushels	Market value
				$				$
Algoma	22	7.6	167	224	2,187	28.0	61,236	27,495
Brant	5	9.4	47	60	14,819	42.1	623,880	215,238
Bruce	1,005	11.2	11,256	15,083	33,057	43.8	1,447,897	560,149
Carleton	2,590	9.7	25,127	32,571	19,109	32.5	621,043	261,459
Cochrane	14	7.0	98	131	445	25.0	11,125	5,073
Dufferin	348	8.2	2,854	3,824	28,841	33.8	974,826	353,862
Dundas	9	8.7	78	104	19,768	25.8	510,014	214,716
Durham	22	8.6	189	255	27,990	32.4	906,876	336,451
Elgin	35	9.1	319	405	15,112	42.7	645,282	234,237
Essex	326	9.2	2,999	3,808	2,773	43.1	119,516	38,484
Frontenac	6	8.9	53	71	5,119	35.3	180,701	69,570
Glengarry	1,527	10.1	15,428	20,673	3,407	30.7	104,595	41,106
Grenville	31	9.2	288	385	5,021	25.1	126,027	49,781
Grey	146	8.4	1,226	1,643	48,848	30.3	1,480,094	516,553
Haldimand	12	8.8	106	135	11,138	42.3	471,137	162,542
Haliburton	12	8.4	101	131	568	26.0	14,768	5,641
Halton	68	9.0	612	820	12,068	38.4	463,411	178,413
Hastings	345	8.3	2,864	3,809	15,512	35.8	555,330	217,689
Huron	2,600	10.0	26,000	34,840	57,337	39.7	2,276,279	849,052
Kenora	2	7.1	14	18	152	22.0	3,344	1,645
Kent	44	9.5	418	531	12,136	46.3	561,897	192,169
Lambton	142	9.3	1,321	1,678	18,693	44.5	831,839	301,958
Lanark	102	8.3	897	1,201	13,048	33.5	437,108	173,969
Leeds	42	8.6	361	483	7,597	35.1	266,655	106,129
Lennox & Add'gton	14	8.9	125	167	13,010	33.7	438,437	164,852
Lincoln	14	9.2	129	164	4,007	38.5	154,270	56,154
Manitoulin	11	9.0	99	132	2,745	32.0	87,840	42,163
Middlesex	225	9.3	2,093	2,658	30,043	42.0	1,261,806	449,203
Muskoka	3	7.5	23	31	478	31.6	15,105	6,087
Nipissing	32	9.0	288	385	1,355	27.0	36,585	17,341
Norfolk	23	8.6	198	251	6,532	41.6	271,731	97,008
Northumberland	108	8.6	929	1,217	19,399	34.5	669,266	267,706
Ontario	154	8.7	1,340	1,780	40,082	42.7	1,711,501	664,062
Oxford	47	8.5	400	508	52,898	42.4	2,242,875	820,892
Parry Sound	9	7.5	68	89	1,338	32.5	43,485	17,655
Peel	22	8.9	196	263	22,357	42.3	945,701	355,584
Perth	225	8.5	1,913	2,563	58,447	38.4	2,244,365	893,257
Peterborough	34	8.3	282	378	6,267	36.2	226,865	92,334
Prescott	1,004	9.9	9,940	13,319	3,315	32.0	106,080	43,175
Prince Edward	106	8.3	880	1,161	7,454	37.5	279,525	101,468
Rainy River	2,038	10.8	22,010	29,493	243	29.5	7,169	3,455
Renfrew	1,625	9.2	14,990	20,086	5,295	25.0	132,375	54,935
Russell	1,209	9.3	11,395	15,269	4,894	26.7	130,670	53,052
Simcoe	201	8.9	1,789	2,397	38,193	33.3	1,271,827	478,207
Stormont	68	8.7	592	793	6,816	28.7	195,619	78,052
Sudbury	21	7.2	151	202	1,134	26.6	30,164	14,267
Thunder Bay	4	7.3	29	39	932	29.0	27,028	11,757
Timiskaming	12	7.5	90	121	2,456	28.0	68,768	30,051
Victoria	86	8.3	714	956	20,067	35.0	702,345	261,272
Waterloo	144	8.5	1,224	1,640	41,425	38.0	1,574,150	643,827
Welland	14	8.0	112	142	3,038	26.6	80,811	29,334
Wellington	447	8.7	3,889	5,211	79,725	40.4	3,220,852	1,256,132
Wentworth	22	8.8	194	246	21,156	42.0	888,552	328,764
York	123	8.9	1,095	1,456	45,154	44.5	2,009,353	767,573
The Province:								
1940	17,500	9.7	170,000	226,000	915,000	38.0	34,770,000	13,213,000
1939	6,162	9.3	58,000	92,000	914,364	39.0	35,662,000	14,621,000

CORN

TABLE XII.—Showing by County Municipalities of Ontario the area, produce and market value of Corn for husking and for fodder for the year 1940, together with the comparative totals for the Province for 1939.

Counties and Districts	Corn for Husking				Corn for Silo			
	Acres	Per acre	Bushels (shelled)	Market value	Acres	Per acre	Tons (green)	Market value
				$				$
Algoma	62	22.5	1,395	795	304	6.18	1,879	5,449
Brant	2,727	32.2	87,809	45,661	8,514	8.23	70,070	175,230
Bruce	154	33.2	5,113	2,863	4,616	9.61	44,360	117,554
Carleton	612	29.0	17,748	9,051	13,118	8.88	116,488	302,869
Cochrane	3	19.1	57	34	22	5.65	124	366
Dufferin	37	31.5	1,166	630	785	10.43	8,188	20,142
Dundas	368	30.3	11,150	5,464	10,821	7.96	86,136	211,033
Durham	381	30.8	11,734	6,336	6,190	8.91	55,161	115,838
Elgin	10,045	35.5	356,577	181,864	16,018	8.91	142,720	379,635
Essex	64,262	40.3	2,591,473	1,423,652	6,324	9.31	58,876	132,471
Frontenac	706	31.7	22,380	11,190	4,148	6.82	28,289	76,663
Glengarry	397	29.6	11,751	6,111	4,957	7.66	37,971	104,420
Grenville	510	29.6	15,096	7,548	6,466	9.04	58,453	160,746
Grey	203	30.8	6,260	3,443	6,301	10.07	63,451	159,262
Haldimand	1,268	31.3	39,688	21,824	3,270	9.01	29,463	66,292
Haliburton	86	21.7	1,866	1,045	297	6.44	1,913	4,304
Halton	94	28.6	2,688	1,452	3,903	9.64	37,625	100,835
Hastings	1,722	27.1	46,724	26,633	8,916	8.92	79,531	178,945
Huron	868	31.9	27,686	15,781	7,279	9.74	70,897	161,645
Kenora	4	15.1	60	35	17	5.49	93	279
Kent	56,127	37.8	2,121,635	1,205,682	13,085	9.73	127,317	301,741
Lambton	13,221	38.2	505,042	267,672	15,439	9.61	148,369	378,341
Lanark	600	26.8	16,080	8,362	7,956	7.53	59,938	155,839
Leeds	1,298	27.6	35,840	18,995	12,524	7.79	97,562	248,783
Lennox & Add'gton	710	29.0	20,590	10,295	3,997	6.35	25,381	65,483
Lincoln	1,537	34.6	53,180	29,781	4,133	9.07	37,486	101,049
Manitoulin	63	25.8	1,623	909	729	8.51	6,203	17,058
Middlesex	7,066	36.9	260,735	143,419	25,276	10.38	262,376	524,752
Muskoka	41	25.4	1,041	593	512	6.31	3,231	7,431
Nipissing	32	23.7	758	432	203	7.25	1,472	4,195
Norfolk	7,128	35.4	252,331	136,259	7,255	9.61	69,721	146,414
Northumberland	1,291	32.1	41,441	21,964	7,640	9.50	72,580	153,870
Ontario	448	34.0	15,232	7,921	8,976	11.28	101,249	242,998
Oxford	1,874	35.9	67,276	37,002	25,145	9.50	238,878	478,700
Parry Sound	34	26.0	884	486	217	6.41	1,391	3,408
Peel	185	29.1	5,383	2,907	4,358	8.45	36,822	88,373
Perth	228	33.9	7,729	4,483	10,406	10.23	106,453	271,455
Peterborough	101	25.3	2,555	1,354	3,990	9.42	37,588	93,970
Prescott	786	30.9	24,287	12,386	5,311	7.27	38,611	106,180
Prince Edward	1,924	29.4	56,565	29,979	3,541	8.08	28,611	64,375
Rainy River	51	22.1	1,127	665	111	5.29	587	1,732
Renfrew	284	28.8	8,179	3,926	3,433	8.20	28,151	76,007
Russell	300	28.3	8,489	4,245	4,923	7.47	36,775	101,131
Simcoe	589	30.3	17,847	10,173	6,971	9.78	68,176	177,258
Stormont	405	29.9	12,109	6,176	6,327	8.12	51,375	128,438
Sudbury	29	22.2	644	374	172	6.29	1,082	2,976
Thunder Bay	12	19.8	238	136	19	4.87	93	270
Timiskaming	6	20.7	124	71	36	5.99	210	599
Victoria	91	25.5	2,321	1,253	4,792	7.94	38,048	97,022
Waterloo	164	31.9	5,232	3,035	8,417	10.78	90,735	226,835
Welland	3,485	30.5	106,293	58,461	4,838	6.61	31,979	71,953
Wellington	206	30.9	6,365	3,564	8,396	11.24	94,371	250,083
Wentworth	1,023	32.4	33,145	18,893	7,376	8.71	64,245	154,188
York	152	34.6	5,259	2,735	10,230	11.07	113,246	283,115
The Province:								
1940	186,000	37.4	6,956,000	3,826,000	339,000	9.18	3,112,000	7,500,000
1939	183,175	44.2	8,097,000	4,453,000	335,691	10.55	3,545,000	9,430,000

POTATOES AND TURNIPS

TABLE XIII.—Showing by County Municipalities of Ontario the area, produce and market value of Potatoes and Turnips for the year 1940, together with the comparative totals for the Province for 1939.

Counties and Districts	Potatoes				Turnips			
	Acres	Per acre	Hundred weight	Market value	Acres	Per acre	Bushels	Market value
				$				$
Algoma	1,057	53.6	56,655	73,652	252	344	86,688	15,604
Brant	2,830	41.8	118,294	136,038	1,316	446	586,936	70,432
Bruce	2,801	42.8	119,883	131,871	2,593	450	1,166,350	140,022
Carleton	6,352	49.3	313,154	297,496	948	363	344,124	51,619
Cochrane	812	52.7	42,792	58,197	96	347	33,312	5,996
Dufferin	5,129	42.0	215,418	241,881	1,404	446	626,184	75,142
Dundas	1,248	48.5	60,528	54,475	98	361	35,378	5,307
Durham	3,495	44.3	154,828	171,859	1,663	419	696,797	90,584
Elgin	2,204	47.3	104,249	115,716	221	443	97,903	11,748
Essex	2,514	41.9	105,331	114,811	110	450	49,500	5,940
Frontenac	2,786	47.7	132,892	139,537	245	357	87,465	13,120
Glengarry	1,698	46.5	78,957	78,957	175	359	62,825	9,424
Grenville	1,872	50.5	94,536	97,372	131	357	46,767	7,015
Grey	4,871	42.6	207,633	237,633	2,601	452	1,175,652	141,078
Haldimand	944	42.8	40,403	46,059	48	446	21,408	2,569
Haliburton	455	41.5	18,883	21,904	79	417	32,943	4,283
Halton	1,357	39.7	53,847	56,001	706	454	320,524	38,463
Hastings	3,986	44.2	176,181	202,608	995	415	412,925	53,680
Huron	3,244	44.1	143,060	162,074	3,021	452	1,365,492	163,859
Kenora	255	52.3	13,336	18,670	31	342	10,602	1,908
Kent	3,769	46.8	176,389	194,027	112	445	49,840	5,981
Lambton	2,962	44.9	132,994	152,943	198	448	88,704	10,644
Lanark	2,002	50.0	100,100	103,103	468	362	169,416	25,412
Leeds	2,314	49.3	114,080	116,362	431	360	155,287	23,293
Lennox & Add'gton	2,380	48.1	114,478	121,347	87	360	31,320	4,698
Lincoln	743	44.4	32,989	41,896	42	445	18,690	2,243
Manitoulin	602	52.7	31,725	39,339	156	347	54,132	9,744
Middlesex	6,003	48.0	288,144	305,433	1,812	443	803,088	96,631
Muskoka	892	41.3	36,839	44,575	321	418	134,178	17,443
Nipissing	1,541	53.5	82,443	103,054	332	348	115,536	20,796
Norfolk	1,821	42.5	77,393	96,741	185	447	82,695	9,923
Northumberland	3,996	43.3	173,027	186,869	1,927	417	803,559	104,463
Ontario	5,537	45.3	250,934	255,953	5,248	412	2,163,085	287,701
Oxford	2,075	44.3	91,923	107,550	4,415	449	1,981,496	233,528
Parry Sound	1,188	41.8	49,658	57,107	406	416	168,896	21,956
Peel	2,880	42.4	122,112	139,660	581	451	262,031	31,444
Perth	2,485	42.8	106,358	122,312	2,671	452	1,207,292	144,875
Peterborough	2,023	42.5	85,977	96,294	1,269	417	529,173	68,792
Prescott	2,143	49.4	105,864	105,864	244	358	87,352	13,103
Prince Edward	1,292	43.3	55,944	61,538	108	415	44,820	5,827
Rainy River	669	51.5	34,452	44,788	84	346	29,064	5,232
Renfrew	3,824	48.0	183,699	194,721	303	357	108,171	16,226
Russell	1,639	46.8	76,705	80,540	475	358	170,050	25,508
Simcoe	12,250	45.7	599,275	669,433	4,761	452	2,151,972	258,237
Stormont	1,278	47.5	60,705	62,526	87	359	31,233	4,685
Sudbury	2,552	51.0	130,202	153,638	258	349	90,042	16,208
Thunder Bay	2,336	52.0	121,472	139,693	466	350	163,290	29,392
Timiskaming	963	52.7	50,750	59,378	234	349	81,666	14,700
Victoria	1,804	41.8	75,407	84,456	2,371	420	995,820	129,457
Waterloo	2,627	44.8	117,690	142,405	2,825	450	1,270,725	152,567
Welland	1,624	44.4	72,106	93,738	32	444	14,208	1,705
Wellington	5,627	43.8	246,463	298,362	6,082	445	2,709,018	325,082
Wentworth	4,411	45.0	198,495	252,089	1,004	448	449,792	53,975
York	6,638	46.0	305,348	311,455	5,172	422	2,182,584	283,736
The Province:								
1940	146,800	46.0	6,753,000	7,496,000	61,900	430	26,658,000	3,363,000
1939	142,108	51.0	7,247,000	8,189,000	61,982	420	26,034,000	3,124,000

ALSIKE AND SWEET CLOVER

TABLE XIV.—Showing by County Municipalities of Ontario the area, produce and market value of Alsike and Sweet Clover for the year 1940, together with the comparative totals for the Province for 1939.

Counties and Districts	Alsike				Sweet Clover			
	Acres	Per acre	Tons	Market value	Acres	Per acre	Tons	Market value
				$				$
Algoma	396	1.48	586	4,102	381	1.79	682	3,683
Brant	392	1.51	592	3,434	2,876	2.40	6,902	29,334
Bruce	2,241	1.65	3,699	20,345	15,428	2.22	34,307	137,228
Carleton	1,873	1.61	3,015	18,090	3,812	2.23	8,501	37,404
Cochrane	457	1.02	466	3,379	529	1.41	746	4,103
Dufferin	1,596	1.46	2,330	12,582	6,435	2.17	13,964	53,063
Dundas	1,049	1.73	1,814	11,065	1,892	2.21	4,181	18,815
Durham	1,112	1.30	1,445	9,754	5,821	1.56	9,072	46,267
Elgin	1,134	1.50	1,701	9,866	6,077	2.03	12,336	51,811
Essex	1,571	1.66	2,608	15,648	7,837	2.31	18,103	77,843
Frontenac	1,127	1.56	1,758	10,548	2,305	1.93	4,449	19,131
Glengarry	1,107	1.56	1,727	10,362	1,925	2.25	4,331	18,623
Grenville	542	1.65	894	5,185	2,186	2.38	5,203	21,853
Grey	3,174	1.34	4,280	23,540	10,026	1.88	18,849	75,396
Haldimand	2,755	1.23	3,382	18,939	2,791	1.96	5,470	21,880
Haliburton	122	1.32	161	1,127	293	1.24	363	1,960
Halton	1,485	0.89	1,322	7,932	1,592	1.54	2,452	10,789
Hastings	1,865	1.49	2,778	18,752	7,004	1.99	13,938	71,781
Huron	1,647	1.70	2,800	14.840	12,902	2.37	30,578	113,139
Kenora	770	1.13	870	6,525	58	1.28	74	444
Kent	1,971	1.73	3,410	20,460	6,942	2.65	18,396	82,782
Lambton	1,911	1.58	3,019	16,605	6,394	3.01	19,246	76,984
Lanark	1,092	1.64	1,790	10,740	4,195	2.34	9,816	42,209
Leeds	783	1.47	1,151	7,222	2,749	2.38	6,543	31,406
Lennox & Add'gton	1,024	1.17	1,198	7,188	4,799	2.12	10,174	43,748
Lincoln	924	1.35	1,247	8,230	1,238	2.69	3,330	16,650
Manitoulin	312	1.45	452	2,712	2,864	2.29	6,569	27,261
Middlesex	2,091	1.56	3,261	17,936	6,108	2.39	14,606	58,424
Muskoka	52	1.61	83	606	267	1.60	427	2,477
Nipissing	451	1.22	550	3,850	638	1.57	1,002	5,010
Norfolk	1,148	1.55	1,779	10,674	4,165	2.54	10,579	46,548
Northumberland	1,276	1.79	2,284	14,846	8,760	2.21	19,322	96,119
Ontario	1,792	1.62	2,903	18,289	6,981	2.37	16,545	79,416
Oxford	461	1.78	821	5,172	5,063	2.81	14,227	65,444
Parry Sound	375	1.63	611	4,277	243	1.82	442	2,475
Peel	2,365	1.24	2,933	19,065	3,431	1.99	6,828	34,140
Perth	1,625	1.57	2,551	14,031	8,726	2.37	20,681	82,724
Peterborough	742	1.86	1,380	10,212	5,145	2.10	10,805	61,589
Prescott	1,178	1.40	1,649	9,894	2,325	1.98	4,604	20,718
Prince Edward	628	1.76	1,105	7,735	7,340	1.97	14,443	75,826
Rainy River	952	1.27	1,208	8,456	597	1.84	1,098	5,600
Renfrew	1,766	1.52	2,684	17,446	4,880	2.11	10,297	49,426
Russell	1,431	1.72	2,463	16,256	1,915	2.09	4,002	18,409
Simcoe	6,330	1.65	10,461	61,720	14,198	2.66	37,767	158,621
Stormont	724	1.50	1,086	6,516	1,402	2.52	3,546	15,602
Sudbury	728	1.06	772	5,018	1,212	1.33	1,612	8,060
Thunder Bay	560	1.33	745	5,029	541	1.70	920	4,692
Timiskaming	1,289	1.44	1,867	12,696	718	1.94	1,393	6,965
Victoria	4,126	1.55	6,395	46,364	4,280	2.08	8,902	48.961
Waterloo	243	1.77	430	2,795	4,559	2.16	9,847	49,235
Welland	559	1.30	727	4,362	1,863	1.91	3,558	15,655
Wellington	1,216	1.43	1,739	9,738	13,028	2.21	28,862	115,448
Wentworth	768	1.48	1,137	7,391	2,518	2.74	6,899	34,495
York	2,392	1.61	3,881	25,454	6.446	2.67	17,211	84,334
The Province:								
1940	71,700	1.50	108,000	665,000	238,700	2.26	539,000	2,382,000
1939	82,297	1.31	108,000	751,000	239,370	2.12	507,000	2,618,000

ALFALFA AND HAY AND CLOVER

Table XV.—Showing by County Municipalities of Ontario the area, produce and market value of Alfalfa, Hay and Clover for the year 1940, together with the comparative totals for the Province for 1939.

Counties and Districts	Alfalfa				Hay and Clover			
	Acres	Per acre	Tons	Market value	Acres	Per acre	Tons	Market value
				$				$
Algoma	829	2.25	1,865	14,920	26,394	1.52	40,119	300,893
Brant	11,782	3.02	35,582	243,737	18,926	2.00	37,852	240,018
Bruce	31,189	2.65	82,651	557,894	88,171	1.94	170,998	1,025,988
Carleton	14,970	2.33	34,880	244,160	83,070	1.80	149,526	971,919
Cochrane	176	1.86	327	2,747	12,038	1.18	14,205	108,668
Dufferin	6,992	2.74	19,158	122,611	49,250	1.89	93,083	549,190
Dundas	7,326	2.49	18,242	131,342	47,562	1.92	91,319	602,705
Durham	9,881	2.60	25,691	205,528	38,643	1.88	72,648	526,698
Elgin	16,524	2.52	41,640	287,316	39,496	2.02	79,782	502,627
Essex	16,003	2.85	45,609	323,824	16,328	2.05	33,472	214,221
Frontenac	10,239	2.50	25,598	179,186	71,696	1.63	116,864	747,930
Glengarry	4,904	2.50	12,260	85,207	53,916	1.68	90,579	584,235
Grenville	3,684	2.85	10,499	73,493	48,184	1.86	89,622	564,619
Grey	47,534	2.23	106,001	689,007	119,357	1.91	227,810	1,388,860
Haldimand	32,414	2.75	89,139	601,688	24,184	1.80	43,531	261,186
Haliburton	134	1.72	230	1,898	9,598	1.31	12,573	94,298
Halton	19,015	2.76	52,481	367,367	20,125	1.96	39,445	256,393
Hastings	29,756	2.40	71,414	557,029	59,991	1.86	111,583	808,977
Huron	25,946	2.74	71,092	454,989	90,447	2.02	182,703	1,059,677
Kenora	163	1.68	274	2,329	5,917	1.02	6,035	48,280
Kent	22,495	3.28	73,784	534,934	23,652	2.10	49,669	327,815
Lambton	30,042	2.97	89,225	602,270	38,459	2.01	77,303	467,683
Lanark	16,179	2.76	44,654	312,578	61,020	1.89	115,328	738,099
Leeds	8,415	2.85	23,982	177,467	67,006	1.95	130,662	901,568
Lennox & Add'gton	16,892	2.50	42,230	295,610	53,254	1.71	91,064	573,703
Lincoln	17,577	2.85	50,094	388,229	18,292	1.81	33,109	231,763
Manitoulin	3,339	2.35	7,847	54,929	19,857	1.74	34,551	215,944
Middlesex	27,609	3.00	82,827	538,382	69,446	2.01	139,586	837,516
Muskoka	110	1.96	216	1,831	25,677	1.61	41,340	326,586
Nipissing	354	1.93	683	5,464	28,201	1.47	41,455	300,549
Norfolk	12,626	2.46	31,109	217,763	24,698	1.84	45,444	295,386
Northumberland	16,455	3.12	51,340	395,318	43,944	1.97	86,570	605,990
Ontario	17,190	2.96	50,882	384,159	50,565	2.06	104,064	718,042
Oxford	15,973	2.81	44,884	332,142	56,387	2.08	117,285	785,810
Parry Sound	143	1.95	279	2,302	32,082	1.63	52,294	402,664
Peel	27,580	2.41	66,468	498,510	25,067	1.75	43,867	307,069
Perth	14,211	2.56	36,380	240,108	78,459	2.01	157,703	946,218
Peterborough	9,195	2.78	25,662	216,844	35,941	1.89	67,928	529,838
Prescott	1,642	2.43	3,990	28,728	59,212	1.75	103,621	678,716
Prince Edward	7,917	2.61	20,663	165,304	24,497	1.69	41,400	306,360
Rainy River	8,612	1.95	16,793	129,306	17,854	1.00	17,854	128,549
Renfrew	16,198	2.45	39,685	297,638	80,528	1.63	131,261	905,701
Russell	2,287	2.80	6,404	46,749	44,059	1.64	72,257	487,735
Simcoe	23,950	2.62	62,749	423,556	85,506	1.94	165,882	1,036,763
Stormont	4,144	2.50	10,360	72,520	44,929	1.91	85,814	557,791
Sudbury	175	2.19	383	2,873	26,844	1.39	37,313	261,191
Thunder Bay	1,593	1.55	2,469	19,258	24,228	1.09	26,409	190,145
Timiskaming	294	2.12	623	4,673	27,923	1.51	42,064	294,448
Victoria	9,922	2.53	25,112	207,174	43,154	1.64	70,773	548,491
Waterloo	10,828	2.64	28,586	217,254	39,077	2.02	78,936	552,552
Welland	10,232	2.38	24,352	175,334	30,376	1.62	49,209	319,859
Wellington	20,155	2.42	48,775	324,354	94,020	1.91	179,578	1,077,468
Wentworth	15,627	2.69	42,037	321,583	25,461	1.83	46,594	326,158
York	35,578	2.67	94,840	729,584	46,032	2.00	92,064	644,448
The Province:								
1940	715,000	2.65	1,895,000	13,511,000	2,389,000	1.83	4,374,000	28,686,000
1939	672,722	2.33	1,568,000	12,403,000	2,400,149	1.69	4,067,000	30,950,000

MANGELS AND ALL FIELD CROPS

TABLE XVI.—Showing by County Municipalities of Ontario the area, produce and market value of Mangels and all Field Crops enumerated in Tables VII to XVI for the year 1940, together with the comparative totals for the Province for 1939.

Counties and Districts	Mangels				All Field Crops		
	Acres	Per acre	Bushels	Market value	Acres	Value	Per acre
				$		$	$ c.
Algoma	38	405	15,390	2,462	47,448	632,672	13.33
Brant	855	467	399,280	43,921	122,280	1,981,321	16.20
Bruce	1,221	458	559,218	55,922	322,752	4,810,317	14.90
Carleton	329	371	122,059	18,309	242,029	3,452,674	14.27
Cochrane	17	403	6,851	1,096	20,081	252,911	12.59
Dufferin	386	460	177,560	17,756	165,975	2,224,875	13.40
Dundas	82	364	29,848	4,477	124,086	1,589,248	12.81
Durham	878	435	381,930	45,832	178,232	2,617,404	14.69
Elgin	342	455	155,610	17,117	202,411	3,300,144	16.30
Essex	666	467	311,022	34,212	238,307	4,196,795	17.61
Frontenac	92	361	33,212	4,982	138,619	1,779,235	12.84
Glengarry	76	359	27,284	4,093	127,815	1,552,265	12.14
Grenville	62	357	22,158	3,324	104,733	1,385,862	13.23
Grey	1,999	456	912,160	91,216	420,800	5,520,457	13.12
Haldimand	185	452	83,620	9,198	147,211	2,171,785	14.75
Haliburton	15	428	6,420	770	19,122	225,561	11.80
Halton	672	463	311,136	31,113	109,809	1,808,632	16.47
Hastings	328	438	143,664	17,240	234,131	3,488,979	14.90
Huron	2,459	465	1,143,435	115,058	403,977	6,076,988	15.04
Kenora	16	406	6,496	1,039	11,032	114,656	10.39
Kent	368	447	164,436	18,088	311,584	6,007,577	19.28
Lambton	587	454	266,498	29,315	293,004	4,859,824	16.59
Lanark	171	366	62,586	9,388	162,440	2,227,467	13.71
Leeds	137	369	50,553	7,583	155,367	2,261,776	14.56
Lennox & Add'gton	112	362	40,544	6,082	149,184	1,924,610	12.90
Lincoln	158	445	70,310	7,734	83,831	1,370,548	16.35
Manitoulin	52	403	20,953	3,352	41,191	560,626	13.61
Middlesex	1,224	458	560,040	61,604	362,318	6,016,828	16.61
Muskoka	39	438	17,082	2,050	39,985	541,085	13.53
Nipissing	48	404	19,392	3,103	53,722	706,954	13.16
Norfolk	222	450	99,900	10,989	132,191	1,982.051	14.99
Northumberland	864	440	380,160	45,620	212,851	3,341,916	15.70
Ontario	3,807	442	1,682,887	201,946	247,386	4,381,624	17.71
Oxford	2,134	452	972,304	106,953	266,241	4,479,348	16.82
Parry Sound	37	413	15,270	1,832	57,033	766,231	13.43
Peel	647	460	297,620	29,762	159,739	2,542,897	15.92
Perth	2,529	464	1,173,456	117,346	302,234	4,649,028	15.38
Peterborough	528	438	231,264	27,752	136,021	2,201,424	16.18
Prescott	111	359	39,849	5,977	142,120	1,716,930	12.08
Prince Edward	125	436	54,500	6,540	105,001	1,443,789	13.75
Rainy River	47	406	19,082	3,053	43,385	496,609	11.45
Renfrew	194	370	71,780	10,767	227,944	3,130,016	13.73
Russell	83	367	30,461	4,569	109,024	1,289,563	11.83
Simcoe	1,724	462	796,488	79,649	425,436	6,641,572	15.61
Stormont	65	366	23,790	3,569	103,945	1,329,654	12.79
Sudbury	45	405	18,225	2,916	52,060	665,236	12.78
Thunder Bay	47	403	18,941	3,031	39,662	505,180	12.74
Timiskaming	30	401	12,030	1,925	51,567	603,559	11.70
Victoria	761	433	329,513	39,542	185,416	2,590,655	13.97
Waterloo	2,296	466	1,069,936	106,994	190,192	3,321,139	17.46
Welland	107	420	44,940	4,943	102,056	1,259,135	12.34
Wellington	2,321	460	1,068,339	106,834	360,344	5,573,507	15.47
Wentworth	1,136	451	512,744	56,402	135,424	2,325,096	17.17
York	2,926	449	1,313,774	157,653	297,852	5,478,062	18.39
The Province:							
1940	36,400	450	16,398,000	1,804,000	9,118,600	138,374,000	15.17
1939	36,228	442	16,044,000	1,925,000	9,085,758	150,288,000	16.54

PASTURE, FALLOW, ORCHARD, SMALL FRUITS

TABLE XVII.—Showing by County Municipalities the area in Cleared Pasture, Summer Fallow, Orchards and Small Fruits in 1940, together with the comparative totals for the Province for 1939.

Counties and Districts	Cleared pasture	Summer fallow	Orchard	Small fruits	Total
	Acres	Acres	Acres	Acres	Acres
Algoma	10,425	1,101	259	151	11,936
Brant	24,325	2,473	2,561	573	29,932
Bruce	120,322	12,487	5,712	352	138,873
Carleton	79,278	642	1,211	374	81,505
Cochrane	3,991	82	1	24	4,098
Dufferin	49,601	3,244	1,702	147	54,694
Dundas	40,001	135	1,628	278	42,042
Durham	55,844	3,360	7,059	350	66,613
Elgin	64,841	2,111	4,962	754	72,668
Essex	27,329	1,054	5,189	1,998	35,570
Frontenac	71,987	454	849	270	73,560
Glengarry	43,208	151	871	159	44,389
Grenville	43,976	156	901	250	45,283
Grey	128,576	10,727	8,388	499	148,190
Haldimand	26,557	6,135	3,221	306	36,219
Haliburton	9,636	194	73	34	9,937
Halton	22,034	4,338	4,856	769	31,997
Hastings	86,279	1,408	2,850	507	91,044
Huron	137,865	9,154	9,484	597	157,100
Kenora	1,488	86	2	7	1,583
Kent	59,673	1,130	5,355	952	67,110
Lambton	120,923	3,935	8,694	749	134,301
Lanark	103,755	525	1,102	313	105,695
Leeds	94,092	368	1,001	263	95,724
Lennox and Addington	61,698	1,473	1,182	415	64,768
Lincoln	14,756	2,972	15,516	11,374	44,618
Manitoulin	11,630	162	172	39	12,003
Middlesex	153,727	6,537	9,329	1,137	170,730
Muskoka	15,861	205	150	73	16,289
Nipissing	10,784	244	22	87	11,137
Norfolk	32,886	3,109	5,961	1,965	43,921
Northumberland	62,019	2,521	8,725	781	74,046
Ontario	59,583	3,446	4,479	409	67,917
Oxford	66,912	2,526	6,138	499	76,075
Parry Sound	18,444	610	67	97	19,218
Peel	38,835	6,828	5,312	729	51,704
Perth	77,203	11,102	4,844	335	93,484
Peterborough	51,009	4,188	1,365	304	56,866
Prescott	52,423	147	462	167	53,199
Prince Edward	37,048	1,164	3,598	502	42,312
Rainy River	7,611	524	15	45	8,195
Renfrew	83,221	1,797	814	318	86,150
Russell	33,010	148	488	233	33,879
Simcoe	88,613	28,828	6,298	958	124,697
Stormont	42,292	179	790	197	43,458
Sudbury	10,489	203	20	97	10,809
Thunder Bay	4,972	196	20	130	5,318
Timiskaming	9,554	411	6	42	10,013
Victoria	55,067	2,676	1,061	216	59,020
Waterloo	23,004	4,690	3,562	295	31,551
Welland	20,925	6,998	5,295	2,068	35,286
Wellington	72,456	8,490	4,087	327	85,360
Wentworth	23,004	3,175	6,868	2,879	35,926
York	46,958	10,801	5,723	606	64,088
The Province:					
1940	2,712,000	181,800	180,300	*38,000	3,112,100
1939	2,749,462	188,117	182,230	*37,880	3,157,689

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*Including 9,600 acres in strawberries and 14,600 in vineyards in 1940; and 9,261 acres in strawberries, and 14,898 in vineyards in 1939.

HORSES ON HAND

TABLE XVIII.—Showing by County Municipalities the number and value of Horses on hand June 15th, 1940, together with the totals for the Province for the past three years.

Counties and Districts	Stallions, 2 yrs. old and over	Mares, 2 yrs. old and over	Geldings, 2 yrs. old and over	Colts and Fillies, under 2 years	Total Horses	
					Number	Value
						$
Algoma	14	1,604	1,837	200	3,655	427,635
Brant	35	3,734	3,342	658	7,769	807,976
Bruce	72	9,485	7,561	2,701	19,819	2,219,728
Carleton	47	6,662	5,642	1,587	13,938	1,491,366
Cochrane	11	1,491	2,012	102	3,616	419,456
Dufferin	37	5,182	4,241	1,406	10,866	1,054,002
Dundas	25	3,868	3,309	824	8,026	858,782
Durham	40	5,270	4,208	1,126	10,644	1,053,756
Elgin	40	5,943	5,415	1,331	12,729	1,323,816
Essex	51	7,207	5,729	1,584	14,571	1,588,239
Frontenac	24	4,301	3,853	825	9,003	909,303
Glengarry	27	3,393	3,215	817	7,452	782,460
Grenville	14	3,014	2,736	571	6,335	639,835
Grey	66	12,309	10,074	2,768	25,217	2,546,917
Haldimand	24	4,159	3,487	895	8,565	899,325
Haliburton	6	616	569	92	1,283	116,753
Halton	24	2,892	2,611	530	6,057	629,928
Hastings	37	6,512	6,143	1,288	13,980	1,425,960
Huron	78	11,347	9,323	3,005	23,753	2,351,547
Kenora	6	510	667	40	1,223	145,537
Kent	62	9,348	8,042	2,125	19,577	2,016,431
Lambton	60	8,130	6,845	2,067	17,102	1,710,200
Lanark	36	4,380	3,774	1,037	9,227	922,700
Leeds	30	4,568	4,246	971	9,815	1,050,205
Lennox and Addington	35	3,986	3,851	824	8,696	852,208
Lincoln	14	2,746	2,511	339	5,610	561,000
Manitoulin	9	1,250	917	335	2,511	286,254
Middlesex	105	11,508	9,127	2,777	23,517	2,304,666
Muskoka	11	1,240	1,086	162	2,499	259,896
Nipissing	21	1,327	1,349	251	2,948	339,020
Norfolk	16	4,921	4,292	828	10,057	1,076,099
Northumberland	38	6,287	5,593	1,195	13,113	1,376,865
Ontario	46	7,281	5,794	1,276	14,397	1,540,479
Oxford	36	8,153	6,971	1,405	16,565	1,739,325
Parry Sound	21	1,802	1,656	190	3,669	374,238
Peel	44	4,650	3,447	1,008	9,149	924,049
Perth	76	9,259	7,662	2,543	19,540	1,914,920
Peterborough	29	4,200	3,826	838	8,893	933,765
Prescott	34	3,650	2,664	852	7,200	763,200
Prince Edward	15	3,554	2,718	517	6,804	707,616
Rainy River	14	1,182	1,190	178	2,564	264,092
Renfrew	61	6,590	5,427	1,389	13,467	1,440,969
Russell	30	2,962	1,964	821	5,777	612,362
Simcoe	79	13,186	11,185	2,792	27,242	2,751,442
Stormont	19	3,016	2,994	572	6,601	693,105
Sudbury	20	1,491	1,692	189	3,392	400,256
Thunder Bay	19	942	1,527	73	2,561	279,149
Timiskaming	14	1,640	1,756	182	3,592	434,632
Victoria	41	5,071	4,140	975	10,227	1,032,927
Waterloo	57	6,191	5,319	1,502	13,069	1,293,831
Welland	14	2,715	2,508	374	5,611	583,544
Wellington	67	9,808	8,643	1,999	20,517	1,113,251
Wentworth	23	4,304	3,926	648	8,901	979,110
York	85	8,264	7,217	1,386	16,952	1,661,296
The Province:						
1940	1,959	269,101	231,833	56,970	559,863	57,885,423
1939	1,933	269,113	232,097	56,325	559,468	63,494,747
1938	1,898	270,069	233,812	54,932	560,711	54,709,549

CATTLE ON HAND

TABLE XIX.—Showing by County Municipalities the number of Cattle on hand, June 15th, 1940, together with the totals for the Province for the past three years.

Counties and Districts	Bulls for breeding	Cows for milk purposes	Cows for beef purposes	Yearlings for milk purposes	Yearlings for beef purposes	Calves	All other cattle
Algoma	368	9,685	356	1,667	1,357	4,386	584
Brant	787	15,428	642	3,943	1,903	6,136	748
Bruce	1,364	36,852	3,829	5,694	20,845	24,124	10,977
Carleton	2,148	42,254	2,072	10,348	4,395	17,755	3,069
Cochrane	421	3,553	172	1,036	183	2,197	49
Dufferin	578	15,306	1,801	2,743	8,496	10,906	3,125
Dundas	1,659	28,139	703	6,330	102	8,141	56
Durham	671	16,246	2,106	3,697	4,560	9,084	2,044
Elgin	1,307	26,604	1,319	6,221	3,820	12,029	2,826
Essex	622	17,525	1,169	3,267	802	5,485	441
Frontenac	1,740	29,753	1,004	5,506	1,746	10,030	1,082
Glengarry	1,865	28,524	732	6,251	211	8,027	101
Grenville	1,168	18,214	416	4,417	138	6,210	43
Grey	1,652	43,436	4,635	7,489	22,310	30,342	9,257
Haldimand	740	14,861	542	3,875	1,974	6,924	1,202
Haliburton	159	3,674	168	519	793	2,291	302
Halton	768	13,433	849	3,476	1,670	6,323	1,002
Hastings	2.395	41,911	1,486	9,047	1,789	17,295	852
Huron	1,687	39,963	5,142	7,626	21,000	28,528	10,105
Kenora	84	1,450	32	248	69	504	12
Kent	714	20,330	2,841	4,767	6,266	12,948	4,901
Lambton	1,061	28,752	2,731	5,063	14,607	18,706	8,090
Lanark	1,175	26,468	2,314	6,146	7,325	14,433	4,246
Leeds	2,031	39,596	672	9,342	454	11,767	226
Lennox and Addington	1,211	25,373	595	5,209	1,726	9,862	856
Lincoln	407	8,409	392	1,605	439	3,148	167
Manitoulin	214	5,347	395	762	3,212	4,203	1,094
Middlesex	1,931	49,965	3,846	10,901	13,453	25,055	9,523
Muskoka	274	7,052	488	1,287	902	3,668	388
Nipissing	862	8,395	601	2,143	952	5,162	286
Norfolk	840	17,071	500	3,528	574	5,339	277
Northumberland	1,422	25,008	1,722	6,145	3,086	11,463	1,387
Ontario	1,246	26,059	2,914	6,157	7,278	15,914	3,424
Oxford	2,468	47,322	1,299	10,531	3,324	16,407	2,137
Parry Sound	443	10,294	547	1,798	2,356	6,241	764
Peel	1,017	21,141	845	4,665	2,059	7,544	1,156
Perth	1,835	39,523	1,889	9,567	10,152	22,336	3,622
Peterborough	961	20,540	948	4,352	4,331	10,845	1,940
Prescott	1,822	26,413	595	5,998	322	8,394	106
Prince Edward	806	15,322	429	3,049	207	5,248	61
Rainy River	247	4,411	284	1,092	739	2,642	252
Renfrew	2,022	30,338	2,884	6,425	9,451	19,968	4,819
Russell	1,629	21,842	595	5,195	511	8,442	178
Simcoe	1,470	43,242	3,219	9,458	15,248	25,107	6,009
Stormont	1,704	26,409	542	4,928	130	7,726	103
Sudbury	761	8,759	621	1,984	479	4,880	130
Thunder Bay	252	5,057	125	1,384	112	2,498	41
Timiskaming	528	7,018	397	1,765	831	3,885	139
Victoria	721	19,038	1,911	3,904	8,090	12,002	5,281
Waterloo	1,126	20,204	765	4,467	4,463	11,372	1,577
Welland	431	10,472	347	1,952	530	2,866	164
Wellington	1,452	32,413	3,174	5,418	14,355	22,006	5,058
Wentworth	878	16,704	711	3,514	1,039	5,808	426
York	1,584	34,007	1,743	8,244	2,372	12,183	1,288
The Province:							
1940	59,728	*1,195,105	73,056	256,145	239,538	576,785	117,993
1939	59,558	*1,182,878	73,157	248,229	240,219	563,303	120,697
1938	59,380	*1,174,429	74,488	247,049	247,768	562,267	126,877

*Including dual purpose cows.

TOTAL CATTLE AND SHEEP AND LAMBS ON HAND

TABLE XX.—Showing by County Municipalities the number and value of Cattle on hand, June 15th, 1940, together with the totals for the Province for the past three years.

Counties and Districts	Total Cattle		Sheep and Lambs		
	Number	Value	Ewes for breeding	1 year and over	Under 1 year
		$			
Algoma	18,403	660,484	3,657	749	4,271
Brant	29,587	1,232,003	2,569	528	2,711
Bruce	103,685	4,090,373	14,510	2,781	18,902
Carleton	82,041	3,137,248	9,948	1,674	12,085
Cochrane	7,611	280,389	508	89	574
Dufferin	42,955	1,716,911	13,951	2,604	15,328
Dundas	45,130	1,759,619	1,007	218	1,248
Durham	38,408	1,544,385	8,210	1,605	9,478
Elgin	54,126	2,220,789	6,163	1,267	7,654
Essex	29,311	1,299,650	3,755	782	4,059
Frontenac	50,861	1,875,753	5,905	1,095	6,837
Glengarry	45,711	1,875,979	1,385	249	1,501
Grenville	30,606	1,266,782	3,855	748	4,349
Grey	119,121	4,889,917	32,044	6,383	38,641
Haldimand	30,118	1,329,408	4,428	862	5,114
Haliburton	7,906	248,248	1,608	312	1,765
Halton	27,521	1,242,298	3,439	747	3,659
Hastings	74,775	2,586,467	9,995	2,186	11,943
Huron	114,051	4,627,049	10,214	1,902	11,845
Kenora	2,399	87,491	372	76	438
Kent	52,767	2,251,040	5,531	1,038	6,804
Lambton	79,010	3,195,164	12,936	2,611	14,073
Lanark	62,107	2,042,078	13,380	2,314	15,356
Leeds	64,088	2,631,453	5,975	985	6,528
Lennox and Addington	44,832	1,638,161	3,521	674	4,044
Lincoln	14,567	668,188	2,623	475	3,979
Manitoulin	15,227	531,726	8,430	1,651	9,743
Middlesex	114,674	5,003,226	9,989	1,611	13,275
Muskoka	14,059	486,441	2,208	478	2,404
Nipissing	18,401	621,954	3,430	654	3,775
Norfolk	28,129	1,171,010	2,043	404	2,468
Northumberland	50,233	2,156,000	4,914	906	5,329
Ontario	62,992	2,823,301	13,180	2,567	15,744
Oxford	83,488	3,928,945	2,986	548	3,417
Parry Sound	22,443	778,772	5,866	1,052	6,287
Peel	38,427	1,977,069	4,008	747	4,559
Perth	88,924	3,823,732	4,040	796	4,860
Peterborough	43,917	1,833,096	5,072	914	5,808
Prescott	43,650	1,519,020	1,625	151	1,701
Prince Edward	25,122	1,088,536	2,508	507	2,875
Rainy River	9,667	332,931	4,137	586	4,580
Renfrew	75,907	2,626,382	24,207	4,365	26,178
Russell	38,392	1,365,987	1,614	374	1,758
Simcoe	103,753	4,381,489	18,576	3,748	20,495
Stormont	41,542	1,706,360	995	216	1,014
Sudbury	17,614	664,752	1,949	387	2,061
Thunder Bay	9,469	368,818	649	112	715
Timiskaming	14,563	533,297	3,337	675	3,659
Victoria	50,947	2,031,257	12,602	2,147	14,938
Waterloo	43,974	1,925,621	1,709	326	1,878
Welland	16,762	732,332	1,478	299	1,711
Wellington	83,876	3,324,006	13,565	2,527	15,863
Wentworth	29,080	1,377,810	2,194	481	2,568
York	61,421	3,024,370	10,360	1,727	11,597
The Province:					
1940	2,518,350	102,535,567	349,160	65,910	404,446
1939	2,488,041	90,905,107	362,584	67,692	416,636
1938	2,492,258	88,251,957	367,487	69,908	421,677

TOTAL SHEEP AND SWINE ON HAND

TABLE XXI.—Showing by County Municipalities the number and value of Swine on hand, June 15th, 1940, together with the totals for the Province for the past three years.

Counties and Districts	Total Sheep and Lambs		Swine		Total Swine	
	Number	Value	Six months and over	Under six months	Number	Value
		$				$
Algoma	8,677	62,474	919	3,305	4,224	65,979
Brant	5,808	49,368	4,363	15,401	19,764	203,964
Bruce	36,193	292,439	19,107	53,898	73,005	730,780
Carleton	23,707	186,574	9,809	30,174	39,983	361,446
Cochrane	1,171	8,490	862	2,560	3,422	35,178
Dufferin	31,883	260,165	9,873	31,002	40,875	398,531
Dundas	2,473	19,265	7,189	18,422	25,611	265,842
Durham	19,293	143,733	10,197	26,377	36,574	359,156
Elgin	15,084	121,125	12,953	35,412	48,365	506,866
Essex	8,596	70,745	23,351	43,356	66,707	755,123
Frontenac	13,837	106,545	5,514	17,121	22,635	229,745
Glengarry	3,135	24,045	5,572	17,415	22,987	234,467
Grenville	8,952	65,171	3,680	11,635	15,315	149,168
Grey	77,068	637,352	22,023	67,476	89,499	932,580
Haldimand	10,404	84,272	6,172	17,420	23,592	260,692
Haliburton	3,685	28,264	528	1,526	2,054	18,979
Halton	7,845	65,663	4,515	13,274	17,789	186,251
Hastings	24,124	180,930	12,161	39,267	51,428	502,965
Huron	23,961	196,959	25,222	79,357	104,579	1,056,248
Kenora	886	6,264	253	697	950	10,032
Kent	13,373	107,653	37,902	79,844	117,746	1,336,417
Lambton	29,620	239,922	19,856	60,051	79,907	843,019
Lanark	31,050	238,464	5,295	20,006	25,301	230,998
Leeds	13,488	100,486	5,841	17,458	23,299	217,146
Lennox and Addington	8,239	64,511	5,224	21,145	26,369	246,022
Lincoln	7,077	59,730	2,682	9,679	12,361	136,960
Manitoulin	19,824	141,146	998	3,019	4,017	42,219
Middlesex	24,875	212,681	23,181	65,917	89,098	1,013,935
Muskoka	5,090	36,750	572	1,893	2,465	23,319
Nipissing	7,859	54,856	1,591	6,154	7,745	76,366
Norfolk	4,915	40,303	5,217	15,139	20,356	218,827
Northumberland	11,149	86,627	11,288	36,477	47,765	488,158
Ontario	31,491	239,961	17,346	42,863	60,209	592,456
Oxford	6,951	58,736	19,352	53,078	72,430	781,520
Parry Sound	13,205	99,037	1,223	4,107	5,330	50,528
Peel	9,314	79,075	8,385	21,350	29,735	292,890
Perth	9,696	79,119	24,291	73,541	97,832	1,010,604
Peterborough	11,794	92,701	6,600	16,909	23,509	248,020
Prescott	3,477	27,677	5,709	20,123	25,832	253,412
Prince Edward	5,890	43,232	4,134	14,265	18,399	191,165
Rainy River	9,303	64,935	826	2,142	2,968	31,461
Renfrew	54,750	406,792	6,218	21,366	27,584	272,806
Russell	3,746	28,282	4,983	17,259	22,242	205,961
Simcoe	42,819	346,834	32,721	75,510	108,231	1,186,212
Stormont	2,225	16,465	5,942	18,603	24,545	229,741
Sudbury	4,397	32,362	1,737	5,342	7,079	75,887
Thunder Bay	1,476	10,332	829	2,702	3,531	36,616
Timiskaming	7,671	53,390	1,058	3,014	4,072	38,480
Victoria	29,687	229,777	8,575	27,906	36,481	364,845
Waterloo	3,913	31,343	15,554	46,367	61,921	606,826
Welland	3,488	27,520	3,649	9,312	12,961	146,459
Wellington	31,955	257,557	20,224	67,382	87,606	854,158
Wentworth	5,243	43,884	7,249	18,215	25,464	279,594
York	23,684	196,577	19,311	54,898	74,209	803,683
The Province:						
1940	819,516	6,458,560	519,826	1,478,131	1,997,957	20,690,702
1939	846,912	5,666,615	425,101	1,120,994	1,546,095	17,066,957
1938	858,262	5,805,219	390,535	1,039,744	1,430,309	18,751,968

POULTRY ON HAND

TABLE XXII.—Showing by County Municipalities the number and value of Poultry on hand, June 15th, 1940, together with the totals for the Province for the past three years.

Counties and Districts	Turkeys	Geese	Ducks	Other Fowls	Total Poultry	
					Number	Value
						$
Algoma	3,541	2,325	951	118,580	125,397	85,270
Brant	4,014	4,745	4,145	318,371	331,275	221,954
Bruce	17,766	14,019	12,978	591,109	635,872	438,752
Carleton	16,623	12,516	7,704	548,657	585,500	368,865
Cochrane	723	346	304	89,394	90,767	64,444
Dufferin	1,359	15,425	4,583	291,990	313,357	200,548
Dundas	8,530	7,182	5,579	383,294	404,585	246,797
Durham	3,236	11,050	6,352	439,814	460,452	276,271
Elgin	12,007	7,180	7,163	563,881	590,231	407,259
Essex	9,216	11,185	16,297	885,963	922,661	572,050
Frontenac	21,204	3,317	3,775	243,517	271,813	190,269
Glengarry	15,604	1,454	1,547	237,459	256,064	171,563
Grenville	6,748	3,089	2,907	225,429	238,173	152,431
Grey	9,743	25,485	12,699	739,961	787,888	535,764
Haldimand	10,203	5,030	5,708	474,501	495,442	317,083
Haliburton	1,435	521	167	26,235	28,358	18,716
Halton	3,636	6,165	4,812	264,817	279,430	178,835
Hastings	11,634	7,518	3,879	458,076	481,107	293,475
Huron	7,975	23,099	23,026	1,096,578	1,150,678	483,284
Kenora	528	167	180	21,689	22,564	15,569
Kent	11,083	12,321	22,507	904,680	950,591	598,872
Lambton	37,723	18,498	17,687	958,769	1,032,677	671,240
Lanark	16,581	3,753	2,086	293,282	315,702	205,206
Leeds	18,031	3,836	4,215	292,352	318,434	203,797
Lennox and Addington	6,195	3,477	3,577	300,950	314,199	191,661
Lincoln	6,657	2,371	5,231	279,255	293,514	193,719
Manitoulin	11,280	1,624	495	64,848	78,247	62,598
Middlesex	41,256	20,096	20,217	1,044,766	1,126,335	743,381
Muskoka	1,200	621	618	74,119	76,558	52,059
Nipissing	812	1,051	331	74,658	76,852	52,259
Norfolk	8,264	4,112	4,104	430,812	447,292	299,686
Northumberland	4,341	7,199	4,634	562,943	579,117	359,053
Ontario	8,636	13,918	8,192	536,717	567,463	374,525
Oxford	1,849	9,348	11,613	799,443	822,253	542,687
Parry Sound	2,043	2,063	896	78,979	83,981	61,306
Peel	4,835	11,359	8,661	426,291	451,146	288,733
Perth	1,928	18,334	14,201	717,289	751,752	496,156
Peterborough	13,461	6,842	3,227	288,531	312,061	205,960
Prescott	7,322	3,306	1,752	219,711	232,091	148,538
Prince Edward	2,729	2,247	3,169	221,385	229,530	144,604
Rainy River	5,924	709	628	60,670	67,931	47,552
Renfrew	15,525	8,212	2,469	322,831	349,037	233,855
Russell	1,331	6,280	1,611	216,032	225,254	139,657
Simcoe	18,361	25,367	17,765	796,751	858,244	566,441
Stormont	8,516	2,821	2,843	362,828	377,008	237,515
Sudbury	1,058	665	370	101,702	103,795	70,581
Thunder Bay	1,761	1,091	403	194,029	197,284	144,017
Timiskaming	1,008	1,283	831	81,643	84,765	58,488
Victoria	10,326	12,408	4,132	350,357	377,223	237,650
Waterloo	696	6,907	4,871	487,092	499,566	324,718
Welland	4,225	2,548	5,038	328,963	340,774	214,688
Wellington	1,519	23,469	9,341	659,852	694,181	437,334
Wentworth	2,403	5,321	4,028	411,777	423,529	266,823
York	5,983	18,622	17,211	729,332	771,148	485,823
The Province:						
1940	450,587	423,897	333,710	21,692,954	22,901,148	14,600,381
1939	452,525	431,678	339,312	21,618,152	22,841,667	14,448,250
1938	445,824	441,459	343,848	21,188,916	22,420,047	13,698,332

PART II—CHATTEL MORTGAGES

Table showing by County Municipalities of Ontario the total number and amount of Chattel Mortgages on record and undischarged on December 31st, for the years 1938, 1939 and 1940, together with totals for the Province for all occupations as well as for "farmers," as far as given in the records.

Counties and Districts	1940		1939		1938	
	No.	Amount	No.	Amount	No.	Amount
		$		$		$
Algoma	157	211,690	187	235,177	151	236,659
Brant	421	373,350	583	414,025	508	802,503
Bruce	322	397,893	377	366,748	396	432,957
Carleton	3,583	2,725,419	4,123	2,069,885	3,880	2,169,709
Cochrane	550	594,972	385	648,299	328	426,218
Dufferin	158	284,260	171	309,952	168	323,995
Elgin	458	682,446	398	681,718	442	621,815
Essex	2,341	3,279,006	2,570	2,861,732	2,225	3,563,126
Frontenac	651	357,344	556	370,395	411	319,218
Grey	492	820,996	570	895,287	583	890,065
Haldimand	186	211,483	183	211,076	169	225,549
Halton	423	612,284	367	540,270	451	696,254
Hastings	749	729,338	745	797,266	559	827,691
Huron	414	716,615	431	739,866	429	771,959
Kenora	112	134,336	134	361,213	144	174,505
Kent	946	1,667,553	946	1,663,727	819	1,866,624
Lambton	495	425,527	481	444,537	354	514,842
Lanark	260	88,584	237	332,499	241	348,921
Leeds and Grenville	439	643,367	207	461,058	229	190,442
Lennox and Addington	202	370,107	184	430,933	156	656,642
Lincoln	608	642,837	575	542,576	501	455,143
Manitoulin	76	76,380	98	97,086	84	85,563
Middlesex	1,759	1,148,079	1,805	1,013,501	1,771	1,042,839
Muskoka	181	220,862	174	352,299	165	256,243
Nipissing	107	106,683	236	454,213	128	149,383
Norfolk	517	445,701	517	393,219	392	368,455
Northumberland and Durham	531	650,542	541	676,279	529	709,281
Ontario	505	656,576	410	835,213	629	819,249
Oxford	533	689,712	504	699,098	476	730,404
Parry Sound	117	133,290	178	138,904	146	138,777
Peel	308	322,985	383	364,162	346	392,393
Perth	399	600,299	396	546,746	409	554,109
Peterborough	297	383,241	340	472,786	336	422,582
Prescott and Russell	458	781,571	511	843,535	484	919,672
Prince Edward	196	276,869	213	286,680	224	300,842
Rainy River	100	108,341	112	80,244	131	124,714
Renfrew	257	416,948	287	482,840	276	560,812
Simcoe	659	895,198	852	1,151,171	866	339,079
Stormont, Dundas and Glengarry	642	946,308	683	991,882	605	1,015,343
Sudbury	1,258	520,858	530	375,043	509	473,783
Thunder Bay	257	511,757	282	847,083	243	965,158
Timiskaming	513	1,177,644	413	609,490	459	560,227
Victoria and Haliburton	240	338,791	279	389,331	270	373,277
Waterloo	674	749,668	749	858,805	746	532,008
Welland	871	801,121	780	938,722	806	983,607
Wellington	481	827,190	519	833,895	530	871,841
Wentworth	3,133	2,656,611	3,364	2,394,999	3,352	2,851,711
York	16,419	11,558,432	17,408	11,237,721	16,901	10,559,984
Total:						
All occupations	45,455	43,971,064	46,964	43,743,186	44,957	43,616,173
Farmers as given	6,447	13,510,604	7,043	14,385,556	7,252	15,227,048
*Occupations not given	25,860	12,822,504	28,257	16,743,782	25,202	16,085,409

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*A number of these may be "farmers." Nearly every clerk reports a number of instruments as unclassified as to occupation. Certain finance corporations have adopted the practice of filing chattel mortgages instead of liens on automobiles. This is very noticeable in Essex and Middlesex Counties (included in unclassified).

PART III.

Comparative Farm Statistics for Fifty-Nine Years—1882-1940

STATISTICS OF FARM CROPS

FALL WHEAT AND SPRING WHEAT

The following table gives the area, produce and market value of Fall Wheat and Spring Wheat for the years 1882 to 1940, together with the annual averages for the various periods of ten years and the average for the fifty-nine years.

Years	Fall Wheat				Spring Wheat			
	Acres	Bushels	Per acre	Market Value	Acres	Bushels	Per acre	Market value
				$				$
1940	775,400	22,099,000	28.5	13.922,000	69,200	1.301,000	18.8	846,000
1939	734,988	22,271,000	30.3	14.253,000	81,757	1.550,000	18.9	1,023,000
1938	742,062	19,805,775	26.7	11,082,514	88,001	1,592,289	18.1	923,545
1937	718,813	18,691,535	26.0	19,427,921	94,174	1,600,648	17.0	1,638,457
1936	509,306	12,478,456	24.5	13,601,343	97,972	1,735,147	17.7	1,874,293
1935	555,073	12,600,690	22.7	8,946,898	98,807	1,857,135	18.8	1,356,077
1934	425,594	6,724,089	15.8	5,917,025	96,373	1,803,088	18.7	1,533,062
1933	558,970	14,030,553	25.1	9,259,526	96,701	1,662,969	17.2	1,114,229
1932	536,292	15,061,600	28.1	6,929,113	100,068	1,990,368	19.9	895,980
1931	525,024	15,013,555	28.6	7,747,787	90,183	1,982,594	20.0	1,008,547
1930	676,802	18,047,207	26.7	11,958,527	98,966	2,179,204	22.0	1,426,734
1929	691,662	17,820,739	25.8	22,092,590	106,610	1,929,892	18.1	2,416,054
1928	693,660	16,766,408	24.2	20,456,753	109,805	2,181,855	19.9	2,599,815
1927	751,377	19,447,536	25.9	24,254,806	119,580	2,408,055	20.1	2,939,777
1926	807,015	20,988,030	26.0	26,262,506	115,497	2,166,054	18.8	2,708,690
1925	747,101	22,764,736	30.5	30,420,639	113,338	2,440,632	21.5	3,245,576
1924	722,366	21,396,621	29.6	28,646,679	101,401	1,948,853	19.2	2,669,773
1923	717,307	16,599,067	23.1	15,976,322	111,601	1,937,937	17.4	1,865,540
1922	813,935	17,792,958	21.9	18,616,746	124,206	2,099,503	16.9	2,207,565
1921	621,420	13,667,879	22.0	15,096,980	152,904	1,907,459	12.5	2,087,264
1920	762,371	18,492,013	24.3	35,759,610	267,367	4,480,472	16.8	8,237,182
1919	619,494	15,051,703	24.3	35,698,096	361,150	5,646,544	15.6	13,603,841
1918	362,616	7,054,845	19.5	14,877,794	351,423	8,186,191	23.3	17,076,203
1917	585,946	13,384,207	22.8	28,078,738	182,957	3,679,516	20.1	7,716,693
1916	704,867	14,942,050	21.2	24,099,591	144,305	2,213,961	15.3	3,591,681
1915	811,185	24,737,011	30.5	24,023,286	162,142	3,439,949	21.2	3,392,996
1914	685,692	14,333,548	20.9	15,641,232	118,607	2,169,425	18.3	2,340,520
1913	646,533	15,945,717	24.7	13,550,459	116,581	2,068,951	17.7	1,818,652
1912	759,888	15,039,885	19.8	13,795,968	123,080	2,302,339	18.7	2,072,266
1911	837,492	17,926,586	21.4	15,519,411	133,711	2,295,534	17.2	2,081,580
1910	743,473	19,837,172	26.7	17,172,678	129,319	2,489,833	19.3	2,229,999
1909	663,375	15,967,653	24.1	16,335,950	135,161	2,223,567	16.5	2,237,189
1908	679,642	16,430,476	24.2	14,649,061	142,124	2,197,716	15.5	1,996,230
1907	676,164	15,545,491	23.0	14,410,670	144,514	2,473,651	17.1	2,137,234
1906	787,287	18,841,774	23.9	13,321,134	171,745	3,267,000	19.0	2,250,963
1905	796,213	17,933,961	22.5	13,719,480	190,116	3,582,627	18.8	2,683,387
1904	605,458	9,160,623	15.1	9,041,535	225,027	3,471,103	15.4	3,269,779
1903	665,028	17,242,763	25.9	12,949,315	248,518	4,650,707	18.7	3,460,126
1902	748,592	20,233,669	27.0	14,305,204	303,115	6,048,024	20.0	4,209,425
1901	911,587	15,943,229	17.5	10,538,474	358,048	5,498,751	15.4	3,673,166
1900	1,068,640	23,369,737	21.9	15,517,505	376,905	6,940,333	18.4	4,684,725
1899	1,049,691	14,439,827	13.8	9,631,365	398,726	7,041,317	17.7	4,682,476
1898	1,048,182	25,158,713	24.0	17,460,147	389,205	6,873,785	17.7	4,756,659
1897	950,222	23,988,051	25.2	18,758,656	323,305	4,868,101	15.1	3,826,327
1896	876,955	15,078,441	17.2	10,705,693	255,361	3,519,322	13.8	2,484,641
1895	743,199	14,155,282	19.0	9,809,610	223,957	3,472,543	15.5	2,423,835
1894	778,992	16,512,106	21.2	9,081,658	230,016	3,367,854	14.6	1,869,159
1893	913,954	17,545,248	19.2	10,509,604	356,721	4,186,063	11.7	2,486,521
1892	966,522	20,492,497	21.2	14,488,195	651,302	8,290,395	12.7	5,620,888
1891	849,956	21,872,488	25.7	20,800,736	510,634	10,711,538	21.0	9,951,019
1890	720,101	14,267,383	19.8	13,439,875	601,753	7,683,905	12.8	7,015,405
1889	822,115	13,001,865	15.8	11,493,648	398,610	5,697,707	14.3	5,019,680
1888	826,537	13,830,787	16.7	14,162,726	367,850	6,453,559	17.5	6,408,384
1887	897,743	14,440,611	16.1	11,321,439	484,821	5,633,117	11.6	4,393,831
1886	886,402	18,071,142	20.4	13,300,361	577,465	9,518,553	16.5	6,900,951
1885	875,136	21,478,281	24.5	17,504,799	799,463	9,129,881	11.4	7,358,684
1884	864,740	20,717,631	24.0	16,677,693	721,647	14,609,661	20.2	11,892,264
1883	1,097,210	11,656,957	10.6	12,239,805	586,410	9,726,063	16.6	10,406,887
1882	1,188,520	31,255,202	26.3	31,567,754	586,817	9,665,999	16.5	10,245,959
Annual Averages:								
1922–1931	714,625	18,663,676	26.1	20,643,336	110,019	2,127,458	19.3	2,308,807
1912–1921	656,001	15,264,886	23.3	22,062,175	198,052	3,609,481	18.2	6,193,730
1902–1911	720,272	16,912,017	23.5	14,142,444	182,335	3,269,976	17.9	2,655,591
1892–1901	930,794	18,668,313	20.1	12,650,091	356,355	5,405,846	15.2	3,650,840
1882–1891	902,846	18,059,235	20.0	16,250,884	563,547	8,882,998	15.8	7,959,306
1882–1940	759,354	17,278,711	22.8	16,268,282	252,985	4,204,241	16.6	4,048,939

STATISTICS OF FARM CROPS

Oats and Barley

The following table gives the area, produce and market value of Oats and Barley for the years 1882 to 1940, together with the annual averages for the various periods of ten years and the average for the fifty-nine years.

Years	Oats				Barley			
	Acres	Bushels	Per acre	Market value	Acres	Bushels	Per acre	Market value
				$				$
1940	2,254,000	86,554,000	38.4	27,697,000	499,000	15,519,000	31.1	6,828,000
1939	2,274,126	86,639,000	38.1	29,457,000	522,232	16,600,000	31.8	7,636,000
1938	2,262,930	83,198,318	27.9	23,231,985	544,017	16,648,991	30.6	6,798,249
1937	2,263,935	73,712,228	32.6	31,035,041	555,939	16,029,856	28.8	9,380,594
1936	2,345,906	66,857.962	28.5	32,091,668	519,233	14,018,054	27.0	11,214,391
1935	2,376,736	85,560,799	36.0	23,957,144	523,035	16,841,004	32.2	6,736,335
1934	2,390,817	81,526,069	34.1	28,534,021	484,908	14,741,263	30.4	7,370,538
1933	2,315,700	65,543,218	28.3	21,629,214	461,226	12,037,325	26.1	4,935,203
1932	2,338,569	75,517,411	32.3	18,878,732	456,000	13,771,000	30.2	4,958,004
1931	2,330,128	77,979,490	33.5	19,499,057	437,588	13,407,038	30.6	4,898,775
1930	2,468,913	97,481,866	39.5	28,983,780	609,879	20,910,731	34.3	7,496,760
1929	2,335,310	73,640,478	31.5	45,918,227	622,063	18,032,191	29.0	13,799,386
1928	2,659,980	93,461,068	35.1	51,912,665	615,433	19,944,133	32.4	14,790,285
1927	2,689,295	101,913,746	37.9	58,438,236	514,802	17,238,125	33.5	13,382,864
1926	2,831,755	95,722,130	33.8	49,615,846	449,095	14,447,174	32.2	9,823,171
1925	2,837,390	118,100,471	41.6	53,404,626	436,383	14,917,247	34.2	10,160,463
1924	2,891,990	114,249,129	39.5	61,899,999	439,177	14,570,403	33.2	11,970,808
1923	2,967,417	103,485,442	34.9	46,937,124	452,490	13,523,349	29.9	8,487,609
1922	3,034,090	116,033,569	38.2	50,450,114	433,922	13,971,811	32.2	8,561,782
1921	3,094,958	72,575,191	23.4	36,555,194	462,176	10,149,353	22.0	6,665,865
1920	2,880,053	129,171,312	44.9	75,159,913	484,328	16,660,350	34.4	15,631,613
1919	2,674,341	78,388,018	29.3	76,572,899	569,183	13,133,757	23.1	19,146,902
1918	2,924,468	131,752,601	45.1	98,798,745	660,404	24,247,673	36.7	25,112,912
1917	2,763,355	111,232,817	40.3	86,640,057	551,298	18,387,741	33.4	23,118,166
1916	2,689,762	71,297,528	26.5	47,066,428	527,886	12,388,969	23.5	12,621,940
1915	2,871,755	120,217,952	41.9	47,452,121	552,318	19,893,129	36.0	11,130,811
1914	2,776,883	103,564,322	37.3	51,232,043	579,473	18,096,754	31.2	11,640,790
1913	2,699,459	98,426,902	36.5	36,342,489	623,658	18,255,958	29.3	10,136,759
1912	2,601,735	98,444,807	37.8	38,005,016	647,382	19,232,275	29.7	11,296,962
1911	2,699,230	84,829,232	31.4	37,494,695	616,977	16,248,129	26.3	12,000,154
1910	2,757,933	102,084,924	37.0	35,698,964	626,144	19,103,107	30.5	9,930,410
1909	2,695,585	90,235,579	33.5	35,612,676	695,262	18,776,777	27.0	10,286,328
1908	2,774,259	96,626,419	34.8	38,987,985	734,029	20,888,569	28.5	10,943,788
1907	2,932,509	83,524,301	28.5	40,759,859	766,891	21,718,332	28.3	12,900,689
1906	2,716,711	108,341,455	39.9	36,836,095	756,163	25,253,011	33.4	11,363,855
1905	2,668,416	105,563,572	39.6	35,469,360	772,633	24,265,394	31.4	10,409,854
1904	2,654,936	102,173,443	38.5	33,002,022	772,434	24,567,825	31.8	10,736,140
1903	2,638,665	109,874,053	41.6	32,193,097	709,839	24,378,817	34.3	10,263,482
1902	2,500,758	106,431,439	42.6	37,038,141	661,622	21,890,602	33.1	9,872,661
1901	2,408,264	78,334,490	32.5	28,357,085	637,201	16,761,076	26.3	7,542,484
1900	2,398,834	89,693,327	37.4	23,768,732	577,810	16,909,751	29.3	6,577,893
1899	2,363,778	89,897,724	38.0	24,901,670	490,374	14,830,891	30.2	5,858,202
1898	2,376,360	86,858,293	36.6	22,409,440	438,784	12,663,668	28.9	4,812,194
1897	2,432,491	86,318,128	35.5	19,507,897	451,515	12,021,779	26.6	3,245,880
1896	2,425,107	82,979,992	34.2	16,595,998	462,792	12,669,744	27.4	4,003,639
1895	2,373,309	84,697,566	35.7	24,646,992	478,046	12,090,507	25.3	4,884,565
1894	2,342,766	70,172,516	30.0	21,613,135	486,261	10,980,404	22.6	4,447,064
1893	1,936,644	58,584,529	30.3	19,450,064	467,315	9,806,088	21.0	3,932,241
1892	1,861,469	64,758,053	34.8	19,945,480	499,225	12,274,318	24.6	5,069,293
1891	1,840,636	75,009,542	40.8	27,378,483	553,166	16,141,904	29.2	7,925,675
1890	1,882,366	52,768,207	28.0	21,687,734	701,326	15,600,169	22.2	7,831,285
1889	1,923,444	64,346,301	33.5	19,625,622	875,286	23,386,388	26.7	10,290,011
1888	1,849,868	65,466,911	35.4	26,514,099	895,432	23,366,569	26.1	14,043,308
1887	1,682,463	49,848,101	29.6	17,247,443	767,346	17,134,830	22.3	9,715,448
1886	1,621,901	58,665,608	36.2	18,772,995	735,778	19,512,278	26.5	10,009,799
1885	1,543,745	55,229,742	35.8	17,397,369	597,873	16,533,587	27.7	9,126,540
1884	1,481,828	57,696,304	38.9	19,097,476	700,472	19,119,041	27.3	10,247,806
1883	1,418,309	54,573,609	38.5	20,737,971	757,156	18,414,337	24.3	10,496,172
1882	1,387,487	50,501,701	36.4	21,715,731	848,617	24,284,407	28.6	15,784,865
Annual Averages:								
1922–1931	2,704,627	99,206,739	36.7	46,705,967	501,083	16,096,220	32.1	10,337,190
1912–1921	2,797,677	101,507,145	36.3	59,382,491	565,811	17,044,596	30.1	14,650,272
1902–1911	2,703,900	98,968,442	36.6	36,309,289	711,199	21,709,056	30.5	10,870,736
1892–1901	2,291,902	79,229,462	34.6	22,119,649	498,932	13,100,823	26.3	5,037,346
1882–1891	1,663,205	58,410,603	35.1	21,017,492	743,245	19,349,351	26.0	10,547,091
1882–1940	2,431,116	86,073,439	35.4	35,624,757	589,293	17,105,203	29.0	9,835,316

STATISTICS OF FARM CROPS

Peas and Beans

The following table gives the area, produce and market value of Peas and Beans for the years 1882 to 1940, together with the annual averages for the various periods of ten years and the average for the fifty-nine years.

Years	Peas				Beans			
	Acres	Bushels	Per acre	Market value	Acres	Bushels	Per acre	Market value
				$				$
1940	55,200	894,000	16.2	1,672,000	84,800	1,264,000	14.9	2,212,000
1939	51,902	887,000	17.1	1,570,000	62,527	1,338,000	21.4	3,011,000
1938	52 405	899,103	17.2	1,348,680	59,727	1,366,018	22.9	1,366,018
1937	58,358	796,208	13.6	1,242,687	57,175	1,105,660	19.3	1,178,628
1936	66,831	815,101	12.2	1,263,360	56,344	743,037	13.2	1,501,391
1935	68,709	1,168,244	17.0	1,109,639	56,987	1,031,871	18.1	1,496,499
1934	68,811	1,156,027	16.8	983,041	49,445	692,025	14.0	878,504
1933	58,746	938,755	16.0	750,856	52,320	779,476	14.9	717,326
1932	59,535	1,071,344	18.0	696,348	61,821	1,059,559	17.1	519,132
1931	58,944	972,832	16.5	608,586	76,312	1,184,172	15.5	685,934
1930	80,093	1,581,468	19.7	1,657,822	67,540	905,498	13.4	1,306,852
1929	79,523	1,235,658	15.5	2,013,945	63,732	1,113,310	17.5	3,373,233
1928	109,887	1,892,588	17.2	2,892,490	50,953	873,427	17.1	3,343,825
1927	105,662	2,035,687	19.3	3,049,924	47,156	725,011	15.4	1,700,257
1926	97,865	1,880,301	19.2	2,831,588	51,721	819,166	15.8	1,913,221
1925	133,434	2,607,287	19.5	3,532,258	61,080	1,154,317	18.9	2,431,446
1924	130,989	2,456,164	18.8	3,712,042	52,047	856,860	16.5	1,958,602
1923	117,409	2,030,850	17.3	2,940,685	41,127	633,713	15.4	1,538,701
1922	105,544	2,076,965	19.7	2,914,720	39,999	622,781	15.6	1,579,549
1921	105,964	1,441,095	13.6	2,205,423	26,509	427,531	16.1	1,005,057
1920	109,187	2,209,523	20.2	4,270,938	22,744	380,499	16.7	1,097,137
1919	127,253	1,816,517	14.3	4,794,268	22,920	288,480	12.6	1,154,081
1918	113,862	2,381,937	20.9	5,184,332	100,082	1,387,834	13.9	6,230,007
1917	90,322	1,512,567	16.7	4,855,888	110,680	1,078,510	9.7	7,446,626
1916	95,542	1,243,979	13.4	2,618,754	53,999	583,105	10.8	3,183,086
1915	126,943	2,043,049	16.1	3,302,641	62,863	882,819	14.0	2,745,105
1914	177,856	2,609,585	14.7	3,565,974	51,149	835,895	16.3	1,787,432
1913	177,303	3,108,263	17.5	3,127,551	66,639	1,021,243	15.3	1,738,900
1912	221,524	3,667,005	16.6	4,047,354	69,703	1,182,132	17.0	2,280,173
1911	304,491	4,462,182	14.7	4,380,883	51,508	898,212	17.4	1,711,089
1910	403,414	6,016,003	14.9	4,856,986	49,778	892,927	17.9	1,386,798
1909	381,609	7,613,656	20.0	6,437,685	45,029	826,344	18.4	1,334,325
1908	396,642	7,401,336	18.7	6,121,449	46,477	783,757	16.9	1,160,103
1907	340,977	7,365,036	21.6	5,744,728	47,562	790,269	16.6	1,201,209
1906	410,356	7,388,987	18.0	5,216,625	51,272	950,312	18.5	1,320,934
1905	374,518	7,100,021	19.0	4,636,314	50,543	846,443	16.7	1,117,305
1904	339,260	6,629,866	19.5	4,176,816	50,892	912,849	17.9	1,113,676
1903	407,133	8,924,650	21.9	5,738,550	53,039	978,246	18.4	1,379,327
1902	532,639	7,664,679	14.4	5,441,922	53,964	670,633	12.4	905,355
1901	602,724	10,089,173	16.7	6,588,230	53,688	824,122	15.4	1,030,153
1900	661,592	14,058,198	21.2	8,027,231	44,053	820,373	18.6	817,912
1899	743,139	15,140,790	20.4	8,675,673	40,485	651,009	16.1	703,090
1898	865,951	13,521,263	15.6	7,058,099	45,220	759,657	16.8	531,760
1897	896,735	13,867,093	15.5	5,838,046	50,591	981,340	19.4	639,834
1896	829,601	17,493,148	21.1	7,696,985	68,369	1,197,535	17.5	819,114
1895	799,963	15,568,103	19.5	8,531,320	72,747	1,494,179	20.5	1,414,988
1894	785,007	14,022,888	17.9	7,516,268	59,281	827,514	14.0	913,575
1893	738,741	14,168,955	19.2	7,651,236	48,858	664,310	13.6	783,886
1892	774,732	14,494,430	18.7	8,551,714	33,249	535,931	16.1	529,500
1891	752,453	18,323,459	24.4	11,690,367	41,451	769,600	18.6	816,546
1890	781,206	15,389,313	19.7	9,279,756	39,456	761,341	19.3	978,323
1889	708,068	13,509,237	19.1	7,524,645	21,830	371,893	17.0	471,188
1888	696,653	14,269,863	20.5	9,332,490	22,700	534,526	23.5	607,756
1887	726,756	12,173,332	16.8	6,804,892	20,275	275,975	13.6	270,180
1886	703,936	16,043,734	22.8	8,439,004	21,072	482,072	22.9	403,494
1885	646,081	14,006,192	21.7	8,123,591	24,651	496,564	20.1	397,251
1884	570,928	13,691,607	24.0	8,817,395	24,878	592,044	23.8	698,612
1883	542,771	10,673,723	19.7	7,578,343	25,907	....	....	....
1882	560,770	11,006,115	19.6	8,144,525	19,787	409,910	20.7	807,523
Annual Averages:								
1922-1931	101,935	1,876,980	18.4	2,615,406	55,167	888,826	16.1	1,983,162
1912-1921	134,576	2,203,352	16.4	3,797,312	58,729	806,805	13.7	2,866,760
1902-1911	389,104	7,056,642	18.1	5,275,196	50,006	854,999	17.1	1,263,012
1892-1901	769,819	14,242,404	18.5	7,613,480	51,654	875,597	17.0	818,381
1882-1891	668,962	13,908,658	20.8	8,573,501	26,201	469,393	17.9	545,087
1882-1940	359,058	6,805,189	19.0	4,904,840	50,148	819,251	16.3	1,485,500

STATISTICS OF FARM CROPS

Rye and Buckwheat

The following table gives the area, produce and market value of Rye and Buckwheat for the years 1882 to 1940, together with the annual averages for the various periods of ten years and the average for the fifty-nine years.

Years	Rye				Buckwheat			
	Acres	Bushels	Per acre	Market value	Acres	Bushels	Per acre	Market value
				$				$
1940	81,500	1,557,000	19.1	779,000	182,500	3,796,000	20.8	1,746,000
1939	75,652	1,378,000	18.2	799,000	168,404	3,570,000	21.2	1,856,000
1938	74,129	1,439,266	19.4	626,738	183,200	3,507,176	19.1	1,440,364
1937	74,704	1,291,222	17.3	1,006,882	195,193	3,753,901	19.2	2,237,761
1936	53,212	893,962	16.8	751,119	196,971	3,959,741	20.1	2,732,034
1935	59,340	1,044,363	17.6	417,797	186,427	3,896,451	20.9	1,558,406
1934	55,947	865,988	15.5	475,984	213,904	4,384,994	20.5	2,060,966
1933	54,006	913,024	16.9	465,739	207,124	4,349,266	21.0	1,826,807
1932	57,500	1,024,000	17.8	378,924	196,552	4,511,006	22.9	1,579,166
1931	61,701	1,104,754	17.9	462,594	178,719	3,665,584	20.5	1,551,607
1930	52,881	937,302	17.7	454,565	275,317	5,675,616	20.6	2,935,428
1929	52,023	873,239	16.8	847,938	294,388	5,562,013	18.9	4,627,121
1928	66,307	1,131,172	17.1	1,076,724	271,243	5,692,376	21.0	4,638,578
1927	72,323	1,289,058	17.8	1,228,421	249,210	5,892,510	23.6	4,593,204
1926	86,355	1,501,390	17.4	1,309,840	234,870	4,975,192	21.2	3,830,695
1925	98,652	1,784,625	18.1	1,553,529	257,932	5,579,109	21.6	4,086,236
1924	126,641	2,299,545	18.2	2,471,369	240,552	6,449,496	26.8	5,593,465
1923	123,354	2,011,325	16.3	1,481,691	230,276	5,012,010	21.8	3,670,511
1922	152,709	2,500,354	16.4	1,959,112	197,812	4,266,215	21.6	3,137,448
1921	122,868	1,775,599	14.5	1,467,086	147,944	3,354,201	22.7	2,482,999
1920	133,090	2,349,880	17.7	3,336,240	143,204	3,190,478	22.3	3,367,161
1919	140,072	2,219,042	15.8	3,531,031	178,569	4,071,959	22.8	5,727,413
1918	112,726	1,812,909	16.1	2,750,561	223,662	4,597,990	20.6	6,207,986
1917	133,077	2,222,325	16.7	3,614,591	153,457	2,992,391	19.5	4,278,256
1916	148,738	2,354,410	15.8	2,797,290	229,205	3,261,888	14.2	3,555,699
1915	173,736	3,210,512	18.5	2,532,051	193,497	4,278,366	22.1	3,057,398
1914	138,913	2,315,532	16.7	1,965,522	177,227	4,251,421	24.0	3,041,564
1913	118,429	1,979,775	16.7	1,310,306	228,279	4,012,418	17.6	2,549,398
1912	105,949	1,839,675	17.4	1,287,208	205,893	5,414,796	26.3	2,950,001
1911	98,652	1,562,971	15.8	1,326,510	189,039	3,852,231	20.4	2,324,992
1910	95,397	1,620,333	17.0	1,024,787	194,913	4,693,881	24.1	2,346,387
1909	94,661	1,573,921	16.6	1,060,566	176,630	4,280,790	24.2	2,284,440
1908	87,908	1,453,616	16.5	1,012,953	140,605	3,323,668	23.6	1,799,890
1907	67,158	1,039,021	15.5	721,081	113,039	2,546,468	22.5	1,461,673
1906	79,870	1,327,582	16.6	808,497	106,444	1,792,903	16.8	887,487
1905	101,292	1,714,951	16.9	974,092	101,591	2,199,652	21.7	1,099,826
1904	130,702	2,001,826	15.3	1,153,052	100,608	2,066,234	20.5	1,004,190
1903	179,277	2,970,768	16.6	1,443,793	95,487	2,049,169	21.5	907,782
1902	189,318	3,509,332	18.5	1,772,213	93,324	1,911,683	20.5	917,608
1901	158,236	2,545,268	16.1	1,254,817	88,266	1,757,071	19.9	850,422
1900	142,213	2,357,635	16.6	1,143,453	102,570	1,874,261	18.3	819,052
1899	137,824	2,284,846	16.6	1,142,423	132,082	2,203,299	16.7	1,002,501
1898	165,089	2,673,234	16.2	1,162,857	150,394	2,373,645	15.8	906,732
1897	187,785	3,382,005	18.0	1,275,016	151,669	3,464,186	22.8	1,039,256
1896	148,680	2,230,873	15.0	816,500	145,606	2,603,669	17.9	794,119
1895	120,350	1,900,117	15.8	866,453	135,262	2,791,749	20.6	1,027,364
1894	90,144	1,386,606	15.4	612,880	145,268	2,534,335	17.4	993,459
1893	68,486	994,771	14.5	472,516	133,828	2,380,456	17.8	995,031
1892	73,073	1,132,504	15.5	631,937	125,104	2,521,214	20.2	1,063,952
1891	67,865	1,134,630	16.7	820,337	107,879	2,608,142	24.2	1,150,191
1890	103,061	1.563,345	15.2	823,883	90,111	2,053,720	22.8	883,100
1889	90,106	1,431,679	15.9	728,725	56,398	1,272,578	22.6	502,668
1888	84,087	1,295,302	15.4	779,772	57,528	1,222,283	21.2	602,585
1887	68,362	894,887	13.1	442,969	64,143	1,025,353	16.0	461,409
1886	67,779	1,106,462	16.3	577,573	70,792	1,678,708	23.7	565,725
1885	78,293	1,271,506	16.2	701,871	61,776	1,530,675	24.8	600,024
1884	103,416	1,648,259	15.9	984,010	65,836	1,484,570	22.5	593,828
1883	188,111	3,012,240	16.0	2,018,201	67,802	....	....	....
1882	185,276	3,473,799	18.7	2,223,231	50,035	1,262,973	25.2	505,189
Annual Averages:								
1922–1931	89,295	1,543,279	17.3	1,284,578	243,032	5,277,012	21.7	3,866,429
1912–1921	132,760	2,207,966	16.6	2,459,189	188,094	3,942,591	21.0	3,721,788
1902–1911	112,424	1,877,432	16.7	1,129,754	131,168	2,871,668	21.9	1,503,428
1892–1901	129,188	2,088,786	16.2	937,885	131,005	2,450,389	18.7	949,189
1882–1891	103,636	1,683,211	16.2	1,010,057	69,230	1,413,900	20.4	586,472
1882–1940	106,085	1,769,721	16.7	1,272,143	158,569	3,309,901	20.9	2,090,009

STATISTICS OF FARM CROPS

Flax and Mixed Grains

The following table gives the area, produce and market value of Flax and Mixed Grains for the years 1907 to 1940, together with the annual averages for the various periods and for the whole term of years.

Years	Flax				Mixed Grains			
	Acres	Bushels	Per acre	Market value	Acres	Bushels	Per acre	Market value
				$				$
1940	17,500	170,000	9.7	226,000	915,000	34,770,000	38.0	13,213,000
1939	6,162	58,000	9.3	92,000	914,364	35,662,000	39.0	14,621,000
1938	5,176	44,917	8.7	56,200	888,321	32,596,707	36.7	11,522,394
1937	5,009	51,743	10.3	72,501	890,136	30,674,828	34.5	14,787,597
1936	5,289	34,423	6.5	50,819	953,079	27,830,699	29.2	14,750,022
1935	7,436	75,277	10.2	98,277	926,557	33,821,188	36.5	11,499,206
1934	5,666	56,716	10.0	75,550	941,448	32,195,970	34.2	12,878,261
1933	5,548	49,474	9.0	59,357	946,779	27,552,147	29.1	10,470,240
1932	6,280	61,569	9.8	55,540	986,161	33,327,100	33.8	10,997,537
1931	7,325	79,555	10.9	83,812	1,012,347	35,155,615	34.7	12,510,754
1930	5,235	51,257	9.8	78,809	958,086	37,512,279	39.2	13,857,314
1929	5,492	46,927	8.5	109,034	892,897	29,903,638	33.5	21,890,640
1928	7,964	67,441	8.5	141,111	905,693	33,691,418	37.2	23,420,648
1927	7,080	68,173	9.6	121,004	799,333	31,918,944	39.9	22,882,169
1926	7,712	75,736	9.8	148,149	770,981	28,577,629	37.1	18,697,998
1925	9,789	123,134	12.6	262,386	681,624	28,246,057	41.4	16,559,729
1924	6,619	77,801	11.8	162,590	645,622	26,403,332	40.9	18,231,508
1923	6,766	68,684	10.2	140,376	648,934	23,880,889	36.8	14,290,315
1922	4,556	48,662	10.7	106,046	552,399	21,270,479	38.5	11,882,085
1921	7,534	66,748	8.9	130,995	618,289	16,188,510	26.2	10,579,352
1920	21,053	224,893	10.7	515,983	581,689	25,712,447	44.2	20,556,442
1919	13,717	129,461	9.4	670,608	628,761	19,735,287	31.4	26,403,773
1918	15,925	196,221	12.3	*1,224,783	619,389	27,462,374	44.3	28,253,556
1917	7,372	....	....	....	515,593	20,102,421	39.0	20,876,501
1916	5,880	....	....	....	485,986	13,297,354	27.4	12,485,065
1915	5,334	....	....	....	475,738	19,461,609	40.9	10,602,271
1914	6,025	....	....	....	456,631	16,854,550	36.9	10,074,687
1913	7,431	....	....	....	414,517	15,113,480	36.5	7,953,111
1912	9,125	....	....	....	448,402	16,382,161	36.5	8,674,724
1911	12,128	....	....	....	486,112	14,845,595	30.5	9,104,141
1910	12,021	....	....	....	497,936	18,261,803	36.7	9,187,822
1909	11,253	....	....	....	474,530	16,199,434	34.1	8,825,196
1908	8,562	....	....	....	456,049	15,354,350	33.7	8,444,893
1907	9,296	....	....	....	443,100	14,202,511	32.1	7,811,381
Annual Averages:								
1922–1931	6,854	70,737	10.3	135,332	786,792	29,666,028	37.7	17,422,316
1912–1921	9,940	....	....	....	524,500	19,031,019	36.3	15,645,948
1907–1911	10,652	....	....	....	471,545	15,772,739	33.4	8,674,687
1907–1940	8,390	....	....	....	700,955	25,122,788	35.8	14,376,333

*Including seed of fibre variety commandeered and shipped to Ireland to the value of $930,769.

No estimates of yields of flax were made previous to 1918. The average for the twenty-three years, 1918–1940, was 8,297 acres, yielding 83,774 bushels, valued at $203,562.

STATISTICS OF FARM CROPS

Husking Corn and Silo Corn

The following table gives the area, produce and market value of *Corn (for husking and for silo) for the years 1892 to 1940, together with the annual averages for the various periods of ten years and the average for the forty-nine years.

Years	Corn for Husking				Corn for Silo			
	Acres	Bushels (shelled)	Per acre	Market value	Acres	Tons (green)	Per acre	Market value
				$				$
1940	186,000	6,956,000	37.4	3,826,000	339,000	3,112,000	9.18	7,500,000
1939	183,175	8,097,000	44.2	4,453,000	335,691	3,545,000	10.55	9,430,000
1938	180,130	7,696,212	42.7	3,307,900	321,754	3,470,225	10.79	8,726,715
1937	165,593	5,409,213	32.7	3,272,319	317,349	3,080,766	9.71	8,280,429
1936	164,399	6,082,942	37.0	4,136,165	306,934	2,470,816	8.05	7,858,238
1935	167,710	7,764,981	46.3	3,494,268	324,799	3,033,659	9.34	9,100,977
1934	161,137	6,797,863	42.2	4,419,012	323,173	2,990,000	9.25	11,960,000
1933	136,596	5,054,297	37.0	2,830,032	286,021	2,440,009	8.53	7,320,027
1932	130,257	5,056,623	38.8	2,275,625	285,343	2,573,977	9.02	6,434,943
1931	123,960	5,434,159	43.9	2,157,322	264,286	2,301,527	8.71	9,206,108
1930	130,094	5,148,898	39.6	3,569,682	311,817	2,619,049	8.40	10,476,196
1929	120,000	4,449,961	32.1	4,460,367	287,566	2,221,467	7.73	9,574,523
1928	110,192	4,614,567	41.9	4,714,511	299,307	2,685,727	8.97	11,199,482
1927	102,626	3,632,809	35.4	3,613,287	326,964	2,490,660	7.62	10,012,453
1926	179,325	6,886,293	38.4	5,529,069	367,772	3,497,071	9.51	15,736,820
1925	207,767	9,736,311	46.9	8,131,617	373,133	3,614,233	9.69	15,360,490
1924	263,615	11,141,331	42.3	11,737,059	403,060	3,977,017	9.87	17,896,577
1923	285,335	12,861,496	45.1	9,710,461	409,628	3,651,102	8.91	14,604,408
1922	265,018	12,306,242	46.5	8,609,503	438,819	4,413,191	10.06	17,652,764
1921	250,684	13,542,441	54.0	8,012,455	438,343	5,015,082	11.44	25,075,410
1920	243,909	12,914,851	52.9	12,867,119	449,176	4,668,054	10.39	23,340,270
1919	221,004	10,101,650	45.7	16,400,838	399,549	4,013,946	10.05	20,069,730
1918	195,310	8,676,715	44.4	13,650,415	380,946	3,944,313	10.35	17,749,409
1917	258,935	7,675,675	29.7	14,278,407	511,329	4,587,176	8.97	18,348,704
1916	258,332	8,478,048	32.8	9,446,060	439,411	3,276,185	7.46	10,647,610
1915	309,773	14,506,997	46.8	9,885,292	443,736	4,874,377	10.98	12,185,943
1914	290,817	15,488,240	53.3	10,622,455	418,105	4,751,223	11.36	11,878,058
1913	299,871	14,809,343	49.4	9,545,538	388,138	4,059,345	10.46	10,148,363
1912	301,251	14,646,312	48.6	8,162,565	377,982	3,969,597	10.50	9,923,993
1911	308,350	14,608,860	47.8	9,693,994	335,935	3,764,227	11.21	9,410,568
1910	320,519	16,600,257	51.8	9,301,245	326,627	3,788,364	11.60	7,576,728
1909	322,789	15,079,793	46.7	9,705,826	288,346	3,374,655	11.70	6,749,310
1908	299,690	15,734,081	52.5	9,440,336	233,753	2,729,265	11.68	5,458,530
1907	338,573	14,599,644	43.1	6,219,448	200,354	2,029,547	10.13	4,059,094
1906	289,456	15,992,455	55.3	9,019,744	180,796	2,149,413	11.89	4,298,826
1905	295,005	13,948,613	47.3	7,720,557	184,784	2,284,812	12.36	4,569,624
1904	329,882	13,494,609	40.9	7,570,476	193,115	2,023,340	10.48	4,046,680
1903	378,924	19,525,259	51.5	10,807,230	209,727	2,564,400	12.23	5,128,800
1902	371,959	13,674,796	36.7	8,327,951	209,859	2,611,334	12.44	5,222,668
1901	323,923	16,558,737	51.1	9,438,480	197,932	2,359,514	11.92	4,719,028
1900	330,772	18,062,374	54.6	8,588,659	179,798	2,147,532	11.94	4,295,064
1899	333,590	14,448,823	43.3	4,291,300	171,935	1,697,755	9.87	3,395,510
1898	330,748	15,628,395	47.3	4,711,961	189,948	2,128,073	11.20	4,256,146
1897	335,030	16,442,665	49.1	4,858,808	209,005	2,669,822	12.77	5,339,644
1896	317,667	16,047,576	50.5	4,717,987	178,962	1,948,780	10.89	3,897,560
1895	302,929	16,546,599	54.6	5,609,297	149,899	1,775,654	11.85	3,551,308
1894	267,348	10,850,235	40.6	4,247,867	111,361	1,049,765	9.43	2,099,530
1893	217,294	9,381,974	43.2	3,729,335	95,865	1,049,524	10.95	2,099,048
1892	181,463	7,486,332	41.3	2,953,358	91,403	948,907	10.38	1,897,814
Annual Averages:								
1922–1931	178,793	7,621,207	42.6	6,223,288	348,235	3,147,104	9.04	13,171,982
1912–1921	262,989	12,084,027	45.9	11,287,114	424,672	4,315,930	10.16	15,936,749
1902–1911	325,515	15,325,837	47.1	8,780,681	236,330	2,731,936	11.56	5,652,083
1892–1901	294,076	14,145,371	48.1	5,314,705	157,611	1,777,533	11.28	3,555,065
1892–1940	246,709	11,238,358	45.6	7,103,514	296,297	2,988,592	10.09	9,383,064

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*The combined average area for corn for the ten years, 1882–1891, was 195,878 acres, the average value of the produce for the same period being $3,704,614. The combined average for corn for the fifty-nine years, 1882–1940, was 484,001 acres, the average value of the produce for the same period being $14,320,143.

STATISTICS OF FARM CROPS

Potatoes and Turnips

The following table gives the area, produce and market value of Potatoes and Turnips for the years 1882 to 1940, together with the annual averages for the various periods of ten years and the average for the fifty-nine years.

Years	Potatoes				Turnips			
	Acres	Hundred-weight	Per acre	Market value	Acres	Bushels	Per acre	Market value
				$				$
1940	146,800	6,753,000	46.0	7,496,000	61,900	26,658,000	430	3,363,000
1939	142,108	7,247,000	51.0	8,189,000	61,982	26,034,000	420	3,124,000
1938	146,177	7,428,652	50.8	5,779,073	63,407	26,101,938	412	3,132,233
1937	150,649	10,130,497	67.2	6,122,043	62,002	24,908,885	402	2,989,066
1936	145,046	8,700,037	60.0	11,744,902	61,902	23,226,804	375	3,215,753
1935	149,245	7,877,771	52.8	7,878,163	62,248	21,786,804	350	2,614,416
1934	164,325	11,829.864	72.0	6,506,762	65,021	25,368,247	390	3,550,155
1933	157,536	8,694,295	55.2	8,694,061	66,100	20,228,057	306	2,427,366
1932	156,252	9,515,764	60.9	6,565,765	65,952	25,456,398	386	2,036,511
1931	168,158	12,015,901	71.5	4,735,770	68,323	23,489,120	344	2,348,912
1930	159,192	10,965,033	68.9	10,906,175	74,133	25,386,998	342	5,077,400
1929	148,435	8,484,053	57.2	15,271,732	72,502	22,848,692	315	4,569,738
1928	181,241	11,275,111	62.2	11,052,928	71,791	34,323,412	478	6,864,682
1927	159,871	9,297,184	58.2	13,662,224	68,479	29,452,281	430	5,448,672
1926	153,468	9,897,774	64.5	18,627,771	71,500	23,204,013	325	4,640,803
1925	163,790	9,428,872	57.6	21,513,125	73,318	28,015,466	382	5,042,784
1924	169,145	14,979,918	88.6	13,355,441	70,110	32,547,607	464	5,533,093
1923	164,682	11,479,188	69.7	14,306,447	65,193	27,099,910	416	5,419,982
1922	172,858	12,209,725	70.6	10,385,525	67,635	29,923,528	442	5,984,706
1921	164,096	9,240,085	56.3	13,589,599	70,715	24,265,547	343	6,673,025
1920	157,509	14,377,025	91.3	23,776,530	80,588	40,141,406	498	11,038,887
1919	157,286	9,086,953	57.8	25,026,467	85,312	28,740,526	337	7,903,645
1918	166,203	11,625,568	69.9	19,238,431	85,449	42,190,382	494	10,547,596
1917	146,481	10,975,041	74.9	22,530,291	93,034	39,989,556	430	7,997,911
1916	139,523	4,445,057	31.9	9,684,215	91,670	24,067,699	263	3,369,478
1915	173,934	7,960,214	45.8	10,805,026	97,451	46,598,851	478	4,659,885
1914	167,591	16,030,552	95.7	11,747,332	95,371	46,336,708	486	4,633,671
1913	159,661	11,414,469	71.5	12,114,656	97,572	41,889,894	429	4,188,989
1912	158,888	12,807,836	80.6	13,604,052	101,529	49,561,566	488	4,956,157
1911	162,457	8,351,219	51.4	11,722,539	100,593	39,664,275	394	3,966,428
1910	168,454	13,156,682	78.1	10,798,597	108,360	49,425,472	456	4,942,547
1909	169,695	14,787,170	87.1	8,989,452	113,400	50,738,940	447	5,073,894
1908	166,974	11,110,585	66.5	8,874,201	120,920	41,210,189	341	4,121,019
1907	177,186	12,034,605	67.9	11,693,625	123,011	48,205,605	392	4,820,561
1906	136,064	9,012,179	66.2	8,080,921	132,512	57,060,151	431	5,706,015
1905	132,530	8,619,629	65.0	6,608,383	135,348	57,654,086	426	5,765,409
1904	133,819	9,287,473	69.4	7,847,915	133,207	64,861,703	487	6,486,170
1903	139,011	10,005,868	72.0	7,354,313	134,469	69,316,341	515	6,931,634
1902	144,733	7,765,501	53.7	7,312,514	136,725	71,740,204	525	7,174,020
1901	154,155	10,869,982	70.5	7,717,687	145,909	68,287,467	468	6,828,747
1900	163,754	12,885,863	78.7	5,605,351	156,583	59,330,395	379	5,933,040
1899	168,148	11,960,020	71.1	6,538,144	153,440	58,078,390	379	5,807,839
1898	169,946	8,615,175	50.7	6,332,154	151,601	64,727,882	427	6,472,788
1897	169,333	9,660,478	57.1	6,424,218	149,336	68,297,148	457	6,829,715
1896	178,965	12,783,286	71.4	5,582,035	148,234	69,814,841	471	6,981,484
1895	184,647	17,634,530	95.5	5,936,959	151,806	63,496,702	418	6,349,670
1894	167,253	10,297,878	61.6	6,075,748	147,657	61,694,487	418	6,169,449
1893	142,601	7,746,727	54.3	5,099,929	136,604	56,975,355	417	5,697,535
1892	145,703	7,373,890	50.6	6,194,068	129,627	63,541,641	490	6,354,164
1891	160,218	14,433,532	90.1	7,842,219	126,075	68,853,452	546	6,885,345
1890	158,094	10,536,670	66.6	7,779,575	111,055	47,040,563	424	4,704,056
1889	145,812	8,613,317	59.1	6,531,766	111,103	37,021,260	333	3,702,126
1888	153,915	13,364,164	86.8	7,060,733	113,188	47,640,237	421	4,764,024
1887	140,283	6,406,800	45.7	6,705,784	105,322	31,413,456	298	3,141,346
1886	140,143	9,607,415	68.6	7,189,548	98,931	47,061,053	476	4,706,105
1885	159,741	12,654,686	79.2	8,668,460	102,303	41,137,735	402	4,113,774
1884	168,757	16,527,757	97.9	11,018,504	104,190	44,406,363	426	4,440,636
1883	166,823	9,840,469	59.0	10,168,485	98,429	29,879,354	304	2,987,935
1882	160,700	11,059,287	68.8	11,796,573	78,823	35,359,331	448	3,535,933
Annual Averages:								
1922–1931	164,084	11,063,276	67.4	13,381,714	70,298	27,629,103	393	5,093,077
1912–1921	159,117	10,796,280	67.9	16,211,660	89,869	38,378,214	427	6,596,924
1902–1911	153,092	10,413,091	68.0	8,928,246	123,855	54,987,697	444	5,498,770
1892–1901	164,451	10,982,783	66.8	6,150,629	147,080	63,424,431	431	6,342,443
1882–1891	155,449	11,304,410	72.7	8,476,165	104,943	42,981,280	410	4,298,128
1882–1940	157,967	10,572,462	66.9	10,177,287	100,525	42,267,227	420	5,165,795

STATISTICS OF FARM CROPS

ALFALFA AND HAY AND CLOVER

The following table gives the area, produce and market value of Alfalfa for the years 1912 to 1940, and of Hay and Clover for the years 1882 to 1940, together with the annual averages for the various periods of ten years and the average for the whole period.

Years	Alfalfa				Hay and Clover			
	Acres	Tons	Per acre	Market value	Acres	Tons	Per acre	Market value
				$				$
1940	715,000	1,895,000	2.65	13,511,000	†2,389,000	4,374,000	1.83	28,686,000
1939	672,722	1,568,000	2.33	12,403,000	†2,400,149	4,067,000	1.69	30,950,000
1938	643,075	1,527,824	2.38	11,076,733	†2,440,625	4,166,076	1.71	28,850,043
1937	646,657	1,664,219	2.57	12,162,141	†2,474,861	4,190,574	1.69	29,923,850
1936	666,374	1,519,010	2.28	13,276,250	†2,510,329	3,936,141	1.57	34,612,053
1935	588,911	1,519,349	2.58	11,499,393	†2,529,452	4,603,677	1.82	32,593,451
1934	510,215	934,035	1.83	12,559,686	†2,618,811	2 775,995	1.06	35,032,423
1933	560,518	1,300,039	2.32	10,023,129	†2,769,610	4,127,139	1.49	34,708,446
1932	527,793	1,403,923	2.66	11,527,009	†2,780,349	4,420,718	1.59	32,005,889
1931	431,110	971,304	2.25	9,816,770	†2,858,923	4,615,372	1.61	38,906,045
1930	641,686	1,409,528	2.20	16,065,846	†2,849,702	4,353,094	1.53	45,365,729
1929	685,880	1,596,212	2.33	19,546,701	†2,915,221	4,661,660	1.60	52,573,554
1928	743,230	1,730,135	2.33	20,020,248	†2,811,076	4,455,615	1.59	50,026,378
1927	806,397	1,865,868	2.31	21,915,225	†2,832,813	4,914,515	1.73	54,161,232
1926	748,473	1,850,392	2.47	25,889,781	†2,889,143	4,248,048	1.47	54,154,454
1925	550,645	1,397,462	2.54	19,306,047	†3,022,507	4,181,206	1.38	50,738,655
1924	381,258	1,067,717	2.80	12,252,536	3,545,856	5,615,238	1.58	61,283,373
1923	299,610	788,431	2.63	8,915,438	3,596,484	5,799,422	1.61	64,069,155
1922	221,326	629,135	2.84	7,439,403	3,575,662	5,568,459	1.56	66,964,036
1921	177,205	456,378	2.58	8,023,795	3,551,655	3,954,166	1.11	76,193,216
1920	162,820	399,581	2.45	10,172,434	3,533,740	4,459,094	1.26	109,036,159
1919	146,790	314,419	2.14	7,293,462	3,508,266	5,588,804	1.59	126,750,915
1918	144,010	328,971	2.28	6,579,420	3,470,036	4,596,854	1.32	83,344,591
1917	189,109	462,956	2.45	5,460,205	3,358,579	6,156,340	1.83	72,705,998
1916	177,565	460,788	2.60	4,822,622	3,294,419	6,739,259	2.05	71,503,879
1915	165,284	428,739	2.59	6,044,599	3,066,468	3,825,024	1.25	55,660,170
1914	163,685	372,759	2.28	5,195,667	3,251,799	3,469,795	1.07	50,721,713
1913	167,707	380,606	2.27	5,090,267	3,261,139	3,543,957	1.09	46,212,298
1912	189,959	460,201	2.42	5,542,772	3,177,410	4,760,512	1.50	55,906,657
1911	....	....	....	....	3,301,468	4,238,362	1.28	55,767,671
1910	....	....	....	....	3,204,021	5,492,653	1.71	54,407,105
1909	....	....	....	....	3,228,445	3,885,145	1.20	49,754,078
1908	....	....	....	....	3,253,141	4,635,287	1.42	47,696,579
1907	....	....	....	....	3,289,552	3,891,863	1.18	58,806,050
1906	....	....	....	....	3,069,917	4,684,625	1.53	42,630,087
1905	....	....	....	....	3,020,365	5,847,494	1.94	45,142,654
1904	....	....	....	....	2,926,207	5,259,189	1.80	41,915,736
1903	....	....	....	....	2,783,565	4,336,562	1.56	34,432,302
1902	....	....	....	....	2,646,202	4,955,438	1.87	40,386,820
1901	....	....	....	....	2,557,263	4,632,317	1.81	37,012,213
1900	....	....	....	....	2,526,566	3,133,045	1.24	26,568,222
1899	....	....	....	....	2,505,422	3,498,705	1.40	27,010,003
1898	....	....	....	....	2,453,503	4,399,063	1.79	27,362,172
1897	....	....	....	....	2,341,488	3,811,518	1.63	27,366,699
1896	....	....	....	....	2,426,711	2,260,240	.93	21,879,123
1895	....	....	....	....	2,537,674	1,849,914	.73	22,753,942
1894	....	....	....	....	2,576,943	3,575,200	1.39	27,028,512
1893	....	....	....	....	2,766,894	4,963,557	1.79	37,921,575
1892	....	....	....	....	2,515,367	4,384,838	1.74	35,955,672
1891	....	....	....	....	2,549,975	2,392,798	.94	28,498,224
1890	....	....	....	....	2,462,002	4,305,915	1.75	34,232,024
1889	....	....	....	....	2,386,223	3,728,313	1.56	37,208,564
1888	....	....	....	....	2,292,638	2,009,017	.88	33,570,674
1887	....	....	....	....	2,280,643	3,093,610	1.36	35,947,748
1886	....	....	....	....	2,295,151	2,994,446	1.35	29,016,182
1885	....	....	....	....	2,268,091	3,252,155	1.43	32,033,727
1884	....	....	....	....	2,193,369	3,044,912	1.39	29,109,359
1883	....	....	....	....	2,350,969	4,115,535	1.75	37,122,126
1882	....	....	....	....	1,825,890	2,090,626	1.14	24,125,824
Annual Averages								
1922–1931	550,962	1,330,618	2.42	16,116,800	3,141,888	4,946,462	1.57	54,824,511
1912–1921	168,413	406,540	2.41	6,422,524	3,347,351	4,709,381	1.41	74,803,560
1902–1911	....	....	....	....	*3,072,288	4,722,662	1.54	47,093,908
1892–1901	....	....	....	....	*2,520,783	3,650,840	1.45	29,085,813
1882–1891	....	....	....	....	*2,290,495	3,102,733	1.35	32,086,445
1882–1940	‡438,794	10,587,241	2.41	11,497,642	2,815,589	4,157,504	1.48	45,022,068

*Including Alfalfa. †Exclusive of Alsike and Sweet Clover, previously included. ‡1912-40

STATISTICS OF FARM CROPS

MANGELS AND FIELD CROPS

The following table gives the area, produce and market value of Mangels and all Field Crops for the years 1882 to 1940, together with the annual averages for the various periods of ten years and the average for the whole period.

Years	Mangels				All Field Crops		
	Acres	Bushels	Per acre	Market value	Acres	Value	Per acre
				$		$	$ c.
1940	36,400	16,398,000	450	1,804,000	9,118,600	138,374,000	15.17
1939	36,228	16,044,000	442	1,925,000	9,085,758	150,288,000	16.54
1938	35,673	15,503,275	435	1,860,393	9,088,014	126,158,324	13.88
1937	33,202	14,130,612	426	1,695,673	9,043,201	150,203,348	16.61
1936	32,408	12,941,428	399	1,811,800	9,119,007	162,333,522	17.80
1935	33,829	12,787,436	378	1,534,492	9,106,295	131,260,274	14.41
1934	33,079	13,826,991	418	1,935,779	8,999,999	143,755,962	15.97
1933	32,071	10,785,774	336	1,294,293	9,194,940	124,679,714	13.56
1932	31,797	12,781,446	402	1,022,515	9,225,680	114,150,521	12.37
1931	32,399	11,855,500	366	1,185,550	9,176,062	125,219,586	13.65
1930	29,055	10,626,135	366	2,125,227	10,009,097	173,498,548	17.33
1929	30,395	9,728,083	320	1,945,617	10,020,294	236,651,277	23.62
1928	33,567	14,738,443	439	2,947,689	10,357,960	244,445,136	23.60
1927	34,665	13,494,700	389	2,496,520	10,305,045	256,627,042	24.90
1926	34,009	13,548,484	398	2,709,697	10,434,401	257,686,886	24.70
1925	35,385	14,881,069	421	2,678,592	10,364,317	261,490,292	25.23
1924	35,958	15,616,128	434	2,654,742	10,264,614	264,370,642	25.76
1923	35,118	14,865,791	423	2,973,158	10,296,961	219,114,500	21.28
1922	35,274	16,366,353	464	3,273,271	10,258,613	223,342,150	21.77
1921	31,225	11,909,854	381	3,275,210	10,075,073	222,177,881	22.05
1920	36,450	17,174,290	471	4,722,930	10,108,272	367,608,619	36.37
1919	35,010	13,409,270	383	3,687,549	9,915,884	397,238,400	40.06
1918	40,714	18,244,453	448	4,561,113	9,992,825	363,909,778	36.42
1917	49,148	19,492,626	397	3,898,525	9,718,259	333,353,438	34.30
1916	42,793	9,756,015	228	1,365,842	9,548,876	223,748,948	23.43
1915	50,799	25,356,323	498	2,028,506	9,762,951	210,674,415	21.58
1914	50,663	25,439,520	502	2,035,162	9,621,444	199,152,945	20.70
1913	54,568	21,935,847	402	1,754,868	9,541,537	168,455,253	17.65
1912	60,103	27,671,114	460	2,213,689	9,574,474	185,790,341	19.40
1911	64,855	28,126,313	434	2,250,105	9,718,741	179,974,358	18.52
1910	68,966	34,686,137	503	2,774,891	9,725,684	175,115,742	18.01
1909	70,488	28,928,347	410	2,314,267	9,578,323	167,966,577	17.54
1908	67,937	29,870,966	440	2,389,677	9,621,683	164,077,282	17.05
1907	68,644	30,260,315	441	2,420,825	9,750,615	176,354,759	18.09
1906	69,352	32,863,192	474	2,629,055	8,962,925	144,570,075	16.13
1905	69,035	33,216,930	481	2,657,354	8,897,898	142,804,431	16.05
1904	71,344	33,595,440	471	2,687,635	8,673,525	134,304,690	15.48
1903	80,918	41,768,239	516	3,341,459	8,731,405	136,657,807	15.65
1902	76,553	39,140,924	511	3,131,274	8,677,988	146,421,171	16.87
1901	61,095	29,683,324	486	2,374,666	8,667,512	128,325,648	14.81
1900	54,543	24,728,525	453	1,978,282	8,794,953	114,758,761	13.05
1899	53,401	20,898,387	391	1,671,871	8,753,926	105,771,321	12.08
1898	47,923	21,957,564	458	1,756,605	8,835,272	110,528,947	12.51
1897	41,175	18,103,387	440	1,448,271	8,701,705	106,952,471	12.29
1896	36,101	16,849,401	467	1,347,952	8,511,444	88,900,135	10.44
1895	34,383	15,961,502	464	1,276,920	8,321,173	99,655,895	11.98
1894	27,670	11,532,127	417	922,570	8,227,153	94,055,392	11.43
1893	21,519	8,582,568	399	686,605	8,054,612	101,886,557	12.65
1892	22,026	10,350,474	470	828,038	8,080,206	110,562,493	13.68
1891	22,961	11,779,448	513	942,356	7,834,213	130,866,023	16.70
1890	25,953	11,594,518	447	927,561	7,912,297	114,382,305	14.46
1889	21,211	7,223,478	341	577,878	7,758,583	106,500,799	13.73
1888	21,459	10,020,659	467	801,653	7,616,350	124,244,503	16.31
1887	17,924	5,695,761	318	455,661	7,429,084	99,583,524	13.40
1886	18,170	8,787,743	484	703,019	7,403,281	104,001,865	14.05
1885	16,435	7,660,729	466	612,858	7,350,443	110,068,586	14.97
1884	18,341	8,655,184	472	692,415	7,203,958	120,615,798	16.74
1883	17,219	6,252,015	363	500,161	7,542,623	114,754,141	15.21
1882	15,792	7,711,420	488	616,913	7,125,223	136,939,533	19.22
Annual Averages:							
1922-1931	33,583	13,572,069	404	2,499,006	10,148,736	225,244,606	22.19
1912-1921	45,147	19,038,931	422	2,954,339	*9,785,960	*267,211,002	27.31
1902-1911	70,809	33,245,680	470	2,659,654	9,233,879	156,824,689	16.98
1892-1901	39,984	17,864,726	447	1,429,178	8,494,796	106,139,762	12.49
1882-1891	19,546	8,538,096	437	683,048	7,517,606	116,195,708	15.48
1882-1910	40,600	17,759,220	437	1,985,359	9,047,309	168,938,322	18.67

*Including Flax, 1918-1921.

No statistics of "mixed grains" were taken previous to 1907, when an acreage of 443,100

STATISTICS OF FARM CROPS

The following table gives the area in Cleared Pasture, Summer Fallow, Orchards and Small Fruits, for the years 1909 to 1940. Strawberries and Vineyard for the years 1925–1940.

Years	Pasture (cleared)	Summer fallow	Orchard	Small fruits	Strawberries	Vineyard
	acres	acres	acres	acres	acres	acres
1940	2,712,000	181,800	180,300	13,800	9,600	14,600
1939	2,749,462	188,117	182,230	13,721	9,261	14,898
1938	2,793,291	190.542	184,083	13,832	9,145	14,774
1937	2,782,811	208,486	185,473	13,509	8,691	15,311
1936	2,828,310	197,420	184,218	13,549	8,962	15,318
1935	2,831,416	189,883	186,112	13,380	8,861	14,871
1934	2,908,275	210,525	196,612	13,126	8,253	15,106
1933	2,995,468	215,126	197,246	13,547	8,565	15,328
1932	3,012,529	221,696	203,794	14,059	8,719	15,189
1931	3,039,026	221,174	203,231	14,206	8,012	15,793
1930	3,149,460	247,067	212,232	12,376	7,286	11,586
1929	3,134,614	247,802	214,370	12,367	7,613	11,255
1928	3,000,172	211,015	207,003	12,733	7,773	8,855
1927	3,012,786	212,906	211,225	13,437	7,836	7,905
1926	3,077,424	189,488	215,779	13,672	7,274	7,545
1925	3,193,941	162,649	223,343	14,147	7,185	6,558
1924	3,317,532	179,527	229,708	27,315	....	....
1923	3,472,642	186,123	235,349	27,497	....	....
1922	3,401,033	198,841	239,914	27,242	....	....
1921	3,401,998	260,277	242,921	26,175	....	....
1920	3,432,620	216,377	248,395	25,635	....	....
1919	3,499,802	276,337	257,006	25,244	....	....
1918	3,561,754	248,463	265,678	24,596	....	....
1917	3,509,945	232,679	280,326	21,964	....	....
1916	3,409,581	331,736	280,653	22,817	....	....
1915	3,350,420	226,217	288,825	23,443	....	....
1914	3,302,503	268,714	298,627	23,863	....	....
1913	3,120,146	268,487	306,764	24,360	....	....
1912	3,082,671	278,317	310,096	24,699	....	....
1911	3,116,768	279,220	303,188	25,360	....	....
1910	3,159,712	254,038	298,347	24,384	....	....
1909	3,180,780	231,707	300,364	24,614	....	....

1909–1924 Strawberries and Vineyard included in Small Fruits.

STATISTICS OF FARM CROPS

ALSIKE AND SWEET CLOVER

The following table gives the area, produce and market value of Alsike and Sweet Clover for the years 1925 to 1940.

Years	Alsike				Sweet Clover			
	Acres	Tons	Per acre	Market value	Acres	Tons	Per acre	Market value
				$				$
1940	71,700	108,000	1.50	665,000	238,700	539,000	2.26	2,382,000
1939	82,297	108,000	1.31	751,000	239,370	507,000	2.12	2,618,000
1938	95,405	130,834	1.37	779,778	233,594	496,328	2.12	2,451,863
1937	55,867	76,268	1.37	515,752	191,360	393,800	2.06	1,900,548
1936	78,570	102,277	1.30	711,660	309,407	598,902	1.94	2,977,973
1935	59,071	90,969	1.54	559,749	289,956	693,022	2.39	2,966,209
1934	67,386	73,503	1.09	844,704	284,224	502,960	1.77	4,728,875
1933	92,306	125,844	1.36	882,624	303,072	630,039	2.08	3,244,726
1932	95,113	143,668	1.51	918,106	318,552	705,119	2.21	3,701,809
1931	97,128	152,516	1.57	1,276,341	306,067	669,446	2.19	4,519,783
1930	141,480	206,020	1.46	2,010,571	338,234	704,281	2.08	5,363,894
1929	189,848	289,560	1.53	2,958,780	388,106	803,576	2.07	6,595,169
1928	155,867	235,325	1.51	2,457,119	413,468	924,608	2.24	7,067,707
1927	176,870	290,345	1.64	2,991,247	400,296	927,342	2.32	7,075,797
1926	129,477	179,664	1.39	2,217,556	365,102	810,852	2.22	7,222,221
1925	177,382	259,649	1.46	2,855,850	344,114	792,340	2.30	7,144,050

STATISTICS OF FARM CROPS
Ratios of Area under Crop

The following table shows the number of acres under the various crops per 1,000 acres of cleared land for the years 1882 to 1940, together with the annual averages for the various periods of ten years and for the whole term of years.

Year	Fall Wheat	Spring Wheat	Barley	Oats	Peas	Beans	Rye	Buckwheat	Corn	Potatoes	*Roots	Hay and Clover	Mixed Grains
1940	50.8	4.5	32.7	147.6	3.6	5.6	5.3	11.9	34.4	9.6	6.4	156.4	59.9
1939	48.2	5.4	34.3	149.2	3.4	4.1	5.0	11.0	34.0	9.3	9.1	157.5	60.0
1938	48.4	5.7	35.5	147.7	3.4	3.9	4.8	12.0	32.8	9.5	8.3	159.3	58.0
1937	46.9	6.1	36.3	147.8	3.8	3.7	4.9	12.7	31.5	9.8	8.3	161.5	58.1
1936	33.5	6.4	34.1	154.2	4.4	3.7	3.5	12.9	31.0	9.5	8.8	165.0	62.6
1935	36.5	6.5	34.4	156.2	4.5	3.7	3.9	12.3	32.4	9.8	9.1	166.2	60.9
1934	28.0	6.4	32.0	157.5	4.5	3.3	3.7	14.1	31.9	10.8	9.1	172.6	62.0
1933	36.8	6.4	30.4	152.4	3.9	3.4	3.6	13.6	27.8	10.4	8.7	182.3	62.3
1932	35.3	6.6	30.1	154.1	3.9	4.1	3.8	13.0	27.4	10.3	8.8	183.2	65.0
1931	34.6	6.5	28.8	153.5	3.9	5.0	4.1	11.8	25.6	11.1	9.2	188.3	66.7
1930	44.6	6.5	40.2	162.6	5.3	4.4	3.5	18.1	29.1	10.5	9.4	187.7	63.1
1929	45.6	7.0	41.0	154.0	5.2	4.2	3.4	19.4	26.9	9.8	9.3	192.2	58.9
1928	45.8	7.2	40.6	175.5	7.3	3.4	4.4	17.9	27.0	12.0	10.1	185.5	59.8
1927	49.6	7.9	34.0	177.7	7.0	3.1	4.8	16.5	28.4	10.6	9.5	187.1	52.8
1926	53.4	7.6	29.7	187.3	6.5	3.4	5.7	15.5	36.2	10.2	9.8	191.1	51.0
1925	49.5	7.5	28.9	187.9	8.8	4.0	6.5	17.1	38.5	10.8	9.8	234.7	45.1
1924	47.9	6.7	29.1	191.7	8.7	3.5	8.4	15.9	44.2	11.2	9.6	235.1	42.8
1923	47.6	7.4	30.1	197.1	7.8	2.7	8.2	15.3	46.2	10.9	8.3	238.9	43.1
1922	54.2	8.3	28.9	202.1	7.0	2.7	10.2	13.2	46.9	11.5	8.4	238.1	36.8
1921	41.4	10.2	30.8	206.1	7.1	1.8	8.2	9.9	45.9	10.9	8.8	236.5	41.2
1920	51.0	17.9	32.4	192.5	7.3	1.5	8.9	9.6	46.3	10.5	10.4	247.1	38.9
1919	41.6	24.2	38.2	179.5	8.5	1.5	9.4	12.0	41.7	10.6	9.9	245.3	42.2
1918	24.5	23.8	44.6	197.6	7.7	6.8	7.6	15.1	38.9	11.2	10.3	244.2	41.9
1917	39.8	12.4	37.4	187.6	6.1	7.5	9.0	10.4	52.3	10.0	11.4	240.9	35.0
1916	47.9	9.8	35.9	183.0	6.5	3.7	10.1	15.6	47.5	9.5	10.8	236.2	33.1
1915	55.5	11.1	37.8	196.4	8.7	4.3	11.9	13.2	51.5	11.9	11.9	221.0	32.5
1914	47.0	8.1	39.7	190.2	12.2	3.5	9.5	12.1	48.6	11.5	11.5	234.0	31.3
1913	44.5	8.0	43.0	186.0	12.2	4.6	8.2	15.7	47.4	11.0	12.0	236.2	28.5
1912	52.6	8.5	44.8	180.1	15.3	4.8	7.4	14.3	47.0	11.0	12.8	233.1	31.0
1911	58.2	9.3	42.9	187.7	21.2	3.6	6.9	13.1	44.8	11.3	13.4	229.6	33.8
1910	51.9	9.0	43.7	192.5	28.2	3.5	6.6	13.6	45.2	11.8	14.5	223.7	34.8
1909	46.5	9.5	48.8	189.0	26.7	3.2	6.6	12.4	42.9	11.9	14.5	226.5	33.3
1908	48.1	10.1	51.9	196.3	28.1	3.3	6.2	9.9	37.7	11.8	14.9	230.2	32.3
1907	47.9	10.2	54.3	207.7	24.1	3.4	4.8	8.0	38.2	12.6	15.1	233.0	31.4
1906	55.8	12.2	53.6	192.6	29.1	3.6	5.7	7.5	33.3	9.7	14.7	217.6	.....
1905	57.2	13.6	55.5	191.5	26.9	3.6	7.3	7.3	34.4	9.5	15.1	216.8	.....
1904	43.8	16.3	55.9	192.2	24.6	3.7	9.5	7.3	37.9	9.7	15.3	211.9	.....
1903	48.8	18.2	52.0	193.4	29.9	3.9	13.1	7.0	43.2	10.2	16.4	204.0	.....
1902	55.2	22.3	48.8	184.3	39.2	4.0	13.9	6.9	42.9	10.7	16.3	195.0	.....
1901	67.8	26.6	47.4	179.3	44.9	4.0	11.8	6.6	38.8	11.5	16.1	190.3	.....
1900	80.4	28.3	43.4	180.4	49.8	3.3	10.7	7.7	38.4	12.3	16.7	190.0	.....
1899	80.1	30.4	37.4	180.3	56.7	3.1	10.5	10.1	38.6	12.8	16.6	191.1	.....
1898	80.7	30.0	33.8	182.9	66.6	3.4	12.7	11.5	40.1	13.1	16.4	188.8	.....
1897	73.9	25.2	35.1	189.3	69.8	3.9	14.6	11.8	42.3	13.2	15.7	182.2	.....
1896	69.2	20.2	36.5	191.4	65.5	5.4	11.7	11.5	39.2	14.1	15.4	191.5	.....
1895	59.8	18.0	38.5	191.0	64.4	5.8	9.7	10.9	36.4	14.9	16.0	204.2	.....
1894	63.4	18.7	39.6	190.6	63.9	4.8	7.3	11.8	30.8	13.6	15.2	209.6	.....
1893	75.5	29.4	38.6	159.9	61.0	4.0	5.6	11.0	25.9	11.8	13.9	228.4	.....
1892	80.6	54.3	41.7	155.3	64.6	2.8	6.1	10.4	22.8	12.2	13.4	209.8	.....
1891	72.0	43.3	46.9	156.0	63.8	3.5	5.7	9.1	20.4	13.6	13.4	216.1	.....
1890	61.8	51.6	60.2	161.5	67.0	3.4	8.8	7.7	19.2	13.6	12.7	211.2	.....
1889	71.6	34.7	76.3	167.6	61.7	1.9	7.9	4.9	16.3	12.7	12.5	208.0	.....
1888	73.2	32.5	79.2	163.6	61.6	2.0	7.4	5.1	19.7	13.6	12.9	202.8	.....
1887	80.8	43.6	69.1	151.5	65.4	1.9	6.2	5.8	14.7	12.6	11.9	205.3	.....
1886	81.0	52.8	67.3	148.3	64.4	1.9	6.2	6.5	14.3	12.8	11.5	209.8	.....
1885	80.6	73.6	55.1	142.2	59.5	2.3	7.2	5.7	15.5	14.7	11.7	208.9	.....
1884	80.5	67.2	65.2	138.0	53.2	2.3	9.6	6.7	16.3	15.7	12.4	204.3	.....
1883	104.1	55.6	71.8	134.6	51.5	2.5	17.8	6.4	20.3	15.8	12.0	223.1	.....
1882	116.8	57.7	83.4	136.4	55.1	1.9	18.2	4.9	20.3	15.8	10.3	179.5	.....
Annual Averages:													
1922–1931	47.3	7.3	33.1	178.9	6.7	3.6	5.9	16.1	34.9	10.9	9.3	207.8	52.0
1912–1921	44.5	13.4	38.4	189.9	9.1	4.0	9.0	12.9	46.6	10.0	11.0	237.5	35.6
1902–1911	51.3	13.0	50.7	192.8	27.7	3.6	8.0	9.4	40.1	10.9	15.8	219.0	†33.1
1892–1901	73.2	28.0	39.2	180.2	60.5	4.1	10.1	10.3	35.5	12.9	15.6	198.2	.....
1882–1891	81.6	50.9	67.2	150.4	60.5	2.4	9.4	6.2	17.7	14.0	12.2	207.1	.....
1882–1940	55.1	18.3	42.7	176.3	26.0	3.6	7.7	11.5	35.1	11.5	10.2	204.2	‡47.0

*Mangels and turnips. †1907–1911. ‡1907–1940.

STATISTICS OF FARM CROPS

MARKET PRICES

The following table gives the average Market Prices of Agricultural Products for the years 1882 to 1940, together with the annual averages for the various periods of ten years and for the whole term of years.

Years	Fall Wheat per bush.	Spring Wheat per bush.	Oats per bush.	Barley per bush.	Peas per bush.	Beans per bush.	Rye per bush.	Buckwheat per bush.	Corn (shelled) per bush.	Hay per ton	Potatoes per cwt.
	cents	cents	cents	cents	cents	$ c.	cents	cents	cents	$ c.	cents
1940.........	63.0	65.0	32.0	44.0	187.0	1.75	50.0	46.0	55.0	6.56	111.0
1939.........	64.0	66.0	31.0	46.0	177.0	2.25	58.0	52.0	55.0	7.61	113.0
1938.........	56.0	58.0	27.9	40.8	150.0	1.00	43.5	41.1	43.0	6.92	77.8
1937.........	103.9	102.4	42.1	58.5	156.0	1.07	78.0	59.6	60.5	7.14	60.4
1936.........	109.0	108.0	48.0	80.0	155.0	2.02	84.0	69.0	68.0	8.79	135.0
1935.........	71.0	73.0	28.0	40.0	95.0	1.45	40.0	40.0	45.0	7.08	100.0
1934.........	88.0	85.0	35.0	50.0	85.0	1.27	55.0	47.0	65.0	12.62	55.0
1933.........	66.0	67.0	33.0	41.0	80.0	.92	51.0	42.0	56.0	8.41	100.0
1932.........	46.0	45.0	25.0	36.0	65.0	.49	37.0	35.0	45.0	7.24	69.0
1931.........	51.6	50.9	25.0	36.5	62.6	.58	41.9	42.3	39.8	8.43	39.3
1930.........	66.3	65.5	29.7	35.9	104.8	1.44	48.5	51.7	69.3	10.42	99.5
1929.........	124.0	125.2	62.4	76.5	163.0	3.03	97.1	83.2	100.2	11.28	180.0
1928.........	122.0	119.2	55.5	74.2	152.8	3.83	95.2	81.5	102.2	11.23	93.0
1927.........	124.7	122.1	57.3	77.6	149.8	2.35	95.3	77.9	99.5	11.02	147.0
1926.........	125.1	125.1	51.8	68.0	150.6	2.34	87.2	77.0	80.3	12.75	188.2
1925.........	133.6	133.0	45.2	68.1	135.5	2.11	87.1	73.2	88.6	11.61	228.2
1924.........	133.9	137.0	54.2	82.2	151.1	2.29	107.5	86.7	105.3	10.91	89.2
1923.........	96.2	96.3	45.4	62.8	144.8	2.43	73.7	73.2	75.5	11.05	124.7
1922.........	104.6	105.1	43.5	61.3	140.3	2.54	78.4	73.5	69.9	12.03	85.0
1921.........	110.5	109.4	50.4	65.7	153.0	2.35	82.6	74.0	59.1	19.27	147.0
1920.........	193.4	183.8	58.2	93.8	193.3	2.88	142.0	105.5	99.6	24.25	165.3
1919.........	237.2	240.9	97.7	145.8	263.9	4.00	159.1	140.7	162.3	22.68	275.3
1918.........	210.9	208.6	75.0	103.6	217.7	4.49	151.7	135.0	157.4	18.13	165.5
1917.........	209.8	209.7	77.9	125.7	321.0	6.91	162.6	142.9	186.0	11.81	205.3
1916.........	161.3	162.2	66.0	101.9	210.5	5.46	118.8	109.0	111.5	10.60	216.8
1915.........	97.1	98.6	39.5	56.0	161.6	3.11	78.9	71.5	68.1	14.51	135.7
1914.........	109.1	107.9	49.5	64.3	136.6	2.14	84.9	71.5	68.6	14.55	73.3
1913.........	85.0	87.9	36.9	55.5	100.6	1.70	66.2	63.5	64.5	13.07	106.2
1912.........	91.7	90.0	38.6	58.7	110.3	1.93	70.0	54.5	55.8	11.77	106.2
1911.........	86.6	90.7	44.2	73.9	98.2	1.90	84.9	60.4	66.3	13.16	140.3
1910.........	86.6	89.6	35.0	52.0	80.7	1.55	63.2	50.0	56.0	9.91	82.0
1909.........	102.3	100.6	39.5	54.8	84.6	1.61	67.4	53.4	64.4	12.81	60.8
1908.........	89.2	90.8	40.3	52.4	82.7	1.48	69.7	54.2	60.0	10.25	79.8
1907.........	92.7	86.4	48.8	59.4	78.0	1.52	69.4	57.4	42.6	15.11	97.2
1906.........	70.7	68.9	34.0	45.0	70.6	1.39	60.9	49.5	56.4	9.10	89.7
1905.........	76.5	74.9	33.6	42.9	65.3	1.32	56.8	50.0	55.4	7.72	76.7
1904.........	98.7	94.2	32.3	43.7	63.0	1.22	57.6	48.6	56.1	7.97	84.5
1903.........	75.1	74.4	29.3	42.1	64.3	1.41	48.6	44.3	55.4	7.94	73.5
1902.........	70.7	69.6	34.8	45.1	71.0	1.35	50.5	48.0	60.9	8.15	94.3
1901.........	66.1	66.8	36.2	45.0	65.3	1.25	49.3	48.4	57.0	7.99	71.0
1900.........	66.4	67.5	26.5	38.9	57.1	1.00	48.5	43.7	47.6	8.48	43.5
1899.........	66.7	66.5	27.7	39.5	57.3	1.08	50.0	45.5	29.7	7.72	54.7
1898.........	69.4	69.2	25.8	38.0	52.2	.70	43.5	38.2	30.2	6.22	73.5
1897.........	78.2	78.6	22.6	27.0	42.1	.65	37.7	30.0	29.6	7.18	66.5
1896.........	71.0	70.6	20.0	31.6	44.0	.68	36.6	30.5	29.4	9.68	43.5
1895.........	69.3	69.8	29.1	40.4	54.8	.95	45.6	36.8	33.9	12.30	33.7
1894.........	55.0	55.5	30.8	40.5	53.6	1.10	44.2	39.2	39.2	7.56	59.0
1893.........	59.9	59.4	33.2	40.1	54.0	1.18	47.5	41.8	39.8	7.64	65.8
1892.........	70.7	67.8	30.8	41.3	59.0	.99	55.8	42.2	39.5	8.20	84.0
1891.........	95.1	92.9	36.5	49.1	63.8	1.06	72.3	44.1	46.7	11.91	54.3
1890.........	94.2	91.3	41.1	50.2	60.3	1.29	52.7	43.0	45.8	7.95	74.0
1889.........	88.4	88.1	30.5	44.0	55.7	1.27	50.9	39.5	38.9	9.98	75.8
1888.........	102.4	99.3	40.5	60.1	65.4	1.14	60.2	49.3	44.0	16.17	52.8
1887.........	78.4	78.0	34.6	56.7	55.9	.98	49.5	45.0	43.1	11.62	104.7
1886.........	73.6	72.5	32.0	51.3	52.6	.84	52.2	33.7	41.4	9.69	74.8
1885.........	81.5	80.6	31.5	55.2	58.0	.80	55.2	39.2	41.9	9.85	68.5
1884.........	80.5	81.4	33.1	53.6	64.4	1.18	59.7	40.0	67.5	9.56	66.7
1883.........	105.0	107.0	38.0	57.0	71.0	......	62.0	......	......	9.02	103.3
1882.........	101.0	106.0	43.0	65.0	74.0	1.97	64.0	40.0	60.0	11.54	106.7
Annual Averages											
1922–1931	110.6	108.5	47.1	64.2	139.3	2.23	83.2	73.3	81.6	11.08	121.0
1912–1921	144.5	171.6	58.5	86.0	172.3	2.35	111.4	94.4	93.5	15.88	150.2
1902–1911	83.6	81.2	36.7	50.1	74.8	1.48	60.2	52.4	57.3	9.97	85.7
1892–1901	67.8	67.5	27.9	38.5	53.5	.93	44.9	38.7	37.5	7.97	56.0
1882–1891	90.0	89.6	34.3	54.5	61.6	1.16	60.0	41.5	......	10.34	75.0
1882–1940	94.2	96.3	41.4	57.5	72.1	1.81	71.9	63.1	*63.2	10.83	96.3

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*Average for 49 years, 1892-1940.

STATISTICS OF LIVE STOCK

Number of Live Stock on Hand

The following table gives the number of Horses, Cattle, Sheep, Swine and Poultry on hand in June of each year for the fifty-nine years, 1882–1940.

Years	Horses	Cattle	Sheep	Swine	Poultry
	No.	No.	No.	No.	No.
1940	559,863	2,518.350	819,516	1.997,957	22,901,148
1939	559,468	2,488,041	846,912	1,546,095	22,841,667
1938	560,711	2.492,258	858,262	1.430,309	22,420,047
1937	557,845	2,453,081	874,769	1,457,886	22,536,141
1936	562,916	2,474,194	886,515	1,408,308	22,958,383
1935	562,877	2,469,231	945,738	1,225,310	22,961,834
1934	563,657	2,494,471	962,325	1,177,913	22,802,578
1933	567,093	2,522,180	1,000,872	1,257,870	22,991,456
1932	578,615	2,528,615	1,039,692	1,375,115	22,929,143
1931	578,157	2,509,205	1,044.355	1,359,176	23,736,125
1930	606,719	2,675,488	1,134,457	1,661,556	22,560,260
1929	606,505	2,671,594	1,130,395	1,681,263	22,045,091
1928	609,249	2,682,053	1,014,106	1,833,538	19,703,576
1927	617,136	2,709,954	956,267	1,883,177	19,048,045
1926	629,659	2,757,799	886,483	1,735,355	17,693,000
1925	644,138	2,809,373	868,526	1,678,595	17,778,581
1924	663,875	2,917,302	870,279	1,807,903	16,751,345
1923	673,371	2,838,087	907,673	1,734,734	15,203,384
1922	685,852	2,836,181	986,617	1,553,434	13,964,317
1921	694,237	2,890,113	1,081,828	1,563,807	11,458,206
1920	704,640	2,881,827	1,129,084	1,614,356	11,005,645
1919	719,569	2,927,191	1,101,740	1,695,487	11,705,809
1918	732,977	2,867,722	972,341	1,656,386	12,281,105
1917	765,873	2,827,609	956,986	1,664,639	13,606,292
1916	775,732	2,734,767	908,066	1,735,254	14,377,844
1915	779,131	2,674,746	908,095	1,769,295	14,273,091
1914	774,544	2,604,628	922,375	1,770,533	14,175,214
1913	751,726	2,628,845	996,155	1,618,734	13,511,383
1912	742,139	2,624,780	1,021,848	1,702,652	13,024,938
1911	737,916	2,593,205	1,040,245	1,744,983	12,942,293
1910	724,384	2,567,128	1,065,101	1,561,042	12,460,787
1909	728,308	2,668,584	1,130,667	1,551,187	12,086,580
1908	726,471	2,824,859	1,143,898	1,818,763	12,285,613
1907	725,666	2,926,236	1,106,083	2,049,666	13,428,076
1906	688,147	2,963,618	1,304,809	1,819,778	10,254,824
1905	672,781	2,889,503	1,324,153	1,906,460	9.738,493
1904	655,554	2,776,304	1,455,482	2,008,984	9,412,683
1903	639,581	2,674,261	1,642,627	1,977,386	9,683,573
1902	626,106	2,562,584	1,715,513	1,684,635	9,762,808
1901	620,343	2,507,620	1,761,799	1,491,885	9,745,236
1900	617,309	2,429,330	1,797,213	1,771,641	9,541,241
1899	615,524	2,318,355	1,772,604	1,971,070	9,344,024
1898	611,241	2,215,943	1,677,014	1,640,787	9,084,273
1897	813,670	2,182,326	1,690,350	1,284,963	8,435,341
1896	624,749	2,181,958	1,849,348	1,269,631	7,734,167
1895	647,696	2,150,103	2,022,735	1,299,072	7,752,840
1894	674,777	2,099,301	2,015,805	1,142,133	7,552,662
1893	685,187	2,057,882	1,935,938	1,012,022	7,114,436
1892	688,814	2,029,140	1,850,473	996,974	7,078,973
1891	678,459	1,978,815	1,693,751	1,156,316	7,006,090
1890	659,636	1,894,712	1,339,695	1,140,559	6,854,864
1889	618,795	1,891,899	1,344,180	835,469	6,304,298
1888	596,218	1,928,638	1,349,044	819,079	6,164,114
1887	575,361	1,948,264	1,396,161	832,817	6,438,361
1886	569,649	2,018,173	1,610,949	860,125	6,968,915
1885	558,809	1,976,480	1,755,605	822,262	6,336,805
1884	535,953	1,925,670	1,890,733	916,158	6,237,606
1883	560,133	1,828,613	1,868,784	906,727	5,847,344
1882	503,604	1.586.312	1,915,303	850.226	5,352,120

VALUE OF LIVE STOCK ON HAND

The following table gives the value of Horses, Cattle, Sheep, Swine and Poultry on hand in June of each year for the fifty-nine years, 1882–1940, except for the ten years, 1882–1891, when farm live stock was valued in bulk.

Years	Horses	Cattle	Sheep	Swine	Poultry	Total
	$	$	$	$	$	$
1940	57,885,423	102,535,567	6,458,560	20,690,702	14,600,381	202,170,633
1939	63,494,747	90,905,107	5,666,615	17,066,957	14,448,250	191,581,676
1938	54,709,549	88,251,957	5,805,219	18,751,968	13,698,332	181,217,025
1937	57,286,273	93,360,874	6,088,540	15,462,386	13,989,813	186,187,886
1936	61,229,630	76,949,305	5,790,872	13,313,339	12,416,378	169,699,524
1935	57,946,376	72,031,320	5,488,972	12,348,955	11,987,918	159,803,541
1934	54,492,559	66,581,103	5,335,210	10,971,007	11,631,434	149,011,313
1933	49,889,016	69,379,352	5,533,134	8,732,796	12,036,762	145,571,060
1932	43,507,517	78,323,693	5,111,312	7,219,718	10,418,176	144,580,416
1931	50,528,572	91,834,417	6,652,107	11,987,324	10,729,925	171,732,345
1930	60,606,827	136,496,344	10,835,770	18,643,164	13,372,682	239,954,787
1929	66,603,793	150,480,760	12,457,554	20,430,803	13,473,814	263,446,724
1928	67,085,352	128,937,680	11,209,872	19,808,890	12,452,203	239,493,997
1927	66,724,527	117,162,152	10,433,761	24,159,535	12,333,645	231,145,720
1926	68,239,756	115,386,214	9,688,685	24,525,126	12,400,985	230,240,766
1925	69,787,791	115,844,069	9,576,722	24,424,238	13,527,454	233,160,274
1924	72,617,565	113,046,599	7,081,500	16,201,699	13,446,621	222,393,984
1923	74,542,351	109,467,066	6,597,087	19,018,668	12,401,083	222,026,255
1922	74,535,855	103,899,416	6,612,959	16,550,636	12,241,252	213,840,118
1921	75,680,750	103,861,565	8,207,564	19,205,488	11,168,318	218,123,685
1920	89,606,594	176,897,490	16,191,741	32,253,804	11,787,708	326,737,337
1919	92,823,683	184,041,594	18,128,240	33,263,051	11,351,364	339,607,932
1918	95,710,928	172,259,261	15,690,055	31,140,181	9,307,051	324,107,476
1917	99,439,558	150,309,828	9,946,030	21,464,366	8,517,195	289,676,977
1916	101,434,391	128,324,526	7,386,710	18,790,755	7,933,157	263,869,539
1915	107,982,037	115,363,336	6,403,907	17,562,726	7,670,326	254,982,332
1914	112,576,793	106,635,148	6,155,451	17,951,258	7,551,428	250,870,078
1913	113,240,047	95,759,022	6,242,672	15,393,192	6,956,952	237,591,885
1912	109,000,214	90,403,902	6,181,595	14,141,908	6,121,323	225,848,942
1911	103,373,206	84,634,962	6,213,021	14,593,917	5,905,318	214,720,424
1910	92,757,431	76,872,723	6,127,018	13,265,834	5,393,031	194,416,037
1909	87,682,689	75,247,197	6,262,493	11,144,135	4,411,386	184,747,900
1908	85,847,391	77,255,267	6,336,265	12,135,979	4,439,854	186,014,756
1907	85,041,144	79,485,780	5,928,325	14,174,502	4,854,381	189,484,132
1906	79,814,953	80,303,276	6,721,119	12,770,708	3,697,338	183,307,394
1905	73,911,177	76,764,482	6,191,774	12,280,667	3,335,660	172,483,760
1904	68,138,228	72,821,003	6,425,100	12,921,743	3,077,029	163,383,103
1903	61,811,456	69,289,924	7,228,498	13,023,743	2,973,646	154,327,267
1902	55,173,637	63,517,342	7,634,284	11,262,265	2,957,286	140,544,814
1901	50,038,465	59,527,119	7,772,793	9,298,712	2,859,172	129,496,261
1900	46,916,999	56,320,810	7,711,496	9,598,153	2,727,363	123,274,821
1899	42,713,557	52,938,500	7,315,729	10,180,338	2,658,321	115,806,445
1898	38,659,896	47,286,254	6,499,695	8,720,242	2,578,136	103,744,223
1897	36,111,805	42,683,557	6,003,194	6,533,210	2,318,038	93,649,804
1896	37,185,692	44,383,638	6,652,202	6,505,227	2,130,807	96,857,566
1895	40,283,754	46,708,017	7,708,442	7,101,211	2,156,623	103,958,047
1894	46,245,614	47,577,587	8,606,671	6,909,262	2,208,518	111,547,652
1893	50,527,472	47,718,025	9,016,118	6,622,129	2,187,158	116,070,902
1892	55,812,920	45,548,475	8,569,557	5,479,093	2,091,450	117,501,495
1891						108,721,076
1890						104,086,626
1889						105,731,288
1888						102,839,235
1887						104,406,655
1886						107,208,935
1885						100,690,086
1884						103,106,829
1883						100,082,365
1882						80,540,720

VALUES PER HEAD OF LIVE STOCK AND POULTRY ON HAND FOR THE YEARS 1892 TO 1940

Years	Horses all Ages	Cattle		Sheep and Lambs	Swine all Ages	Poultry all Kinds
		Milch Cows	Other Cattle			
	$	$ c.	$ c.	$ c.	$ c.	$ c.
1940	103	55 42	27 43	7 88	10 36	64
1939	113	49 42	24 86	6 69	11 04	63
1938	98	46 75	28 39	6 76	13 11	61
1937	103	47 96	28 92	6 96	10 60	62
1936	109	43 40	19 86	6 53	9 45	54
1935	103	40 56	18 71	5 80	10 08	52
1934	97	36 94	17 53	5 54	9 31	51
1933	88	38 41	17 87	5 73	6 94	52
1932	75	43 42	20 18	4 92	5 25	45
1931	87	52 79	22 49	6 37	8 81	45
1930	100	73 11	32 42	9 55	11 22	59
1929	110	80 34	35 61	11 02	12 15	61
1928	110	68 33	30 09	11 05	10 80	63
1927	108	60 92	27 05	10 91	12 83	65
1926	108	59 14	26 84	10 93	14 13	70
1925	108	58 55	27 70	11 03	14 55	76
1924	109	55 41	27 05	8 14	8 96	80
1923	111	55 24	25 14	7 27	10 96	82
1922	109	52 68	24 25	6 70	10 65	88
1921	109	51 56	24 77	7 59	12 28	97
1920	127	85 84	44 67	14 34	19 98	1 07
1919	129	88 71	46 37	16 45	19 62	97
1918	131	83 55	45 52	16 14	18 80	76
1917	130	75 54	39 55	10 39	12 89	63
1916	131	66 35	34 91	8 13	10 83	55
1915	139	60 83	32 18	7 05	9 93	54
1914	145	57 01	30 81	6 67	10 14	53
1913	151	50 56	27 29	6 27	9 51	51
1912	147	47 82	25 61	6 05	8 31	47
1911	140	45 31	24 07	5 97	8 36	46
1910	128	40 76	22 43	5 75	8 50	43
1909	120	38 19	21 45	5 54	7 18	37
1908	118	36 90	21 13	5 54	6 67	36
1907	117	36 43	21 15	5 36	6 92	36
1906	116	35 99	21 62	5 15	7 02	36
1905	110	35 06	21 29	4 68	6 44	34
1904	104	34 70	20 84	4 41	6 43	33
1903	97	34 15	20 58	4 40	6 59	31
1902	88	32 96	19 46	4 45	6 69	30
1901	81	31 74	18 57	4 41	6 23	29
1900	76	31 01	17 93	4 29	5 42	29
1899	69	30 31	17 41	4 13	5 16	28
1898	63	28 28	15 98	3 88	5 31	28
1897	59	26 13	14 58	3 55	5 08	27
1896	60	27 60	15 05	3 60	5 12	28
1895	62	29 74	16 08	3 81	5 47	28
1894	69	31 02	17 15	4 27	6 05	29
1893	74	31 63	17 78	4 66	6 54	31
1892	81	29 95	17 69	4 63	5 50	30

THIRTY-NINTH ANNUAL REPORT

OF THE

Temiskaming and Northern Ontario Railway Commission

ONTARIO GOVERNMENT RAILWAY
Honourable Mitchell F. Hepburn, Premier

FOR THE YEAR ENDED
March 31st, 1940

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO
SESSIONAL PAPER No. 23, 1941

ONTARIO

TORONTO
Printed and Published by T. E. Bowman, Printer to the King's Most Excellent Majesty
1941

Toronto,
April 2, 1941.

TO THE HONOURABLE ALBERT MATTHEWS,

Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

The undersigned has the honour to present to Your Honour the Thirty-Ninth Annual Report of the Temiskaming and Northern Ontario Railway Commission, for the year ended March 31st, 1940.

Respectfully submitted,

M. F. HEPBURN,

Prime Minister and President of the Council.

TEMISKAMING AND NORTHERN ONTARIO RAILWAY COMMISSION

North Bay, Ontario,
September 30th, 1940.

Honourable Mitchell F. Hepburn,
Premier, Province of Ontario,
Parliament Buildings,
Toronto, Ontario.

Sir:

In conformity with Section 36 of the Temiskaming and Northern Ontario Railway Act, Chapter 55, Revised Statutes of Ontario, 1937, I have the honour of submitting the Thirty-Ninth Annual Report of the Temiskaming and Northern Ontario Railway Commission and its subsidiary, the Nipissing Central Railway Company, for the fiscal year ended March 31st, 1940.

RESULTS OF OPERATION

	Year Ended March 31st, 1940	Year Ended March 31st, 1939
Operating Revenues	$5,457,400.54	$5,041,251.77
Operating Expenses	3,748,728.78	3,637,627.08
Net Operating Revenues	1,708,671.76	1,403,624.69
Operating Ratio	68.69%	72.15%
Non-Operating Income	50,930.74	33,662.84
Gross Income	1,759,602.50	1,437,287.53
(a) Deductions from Gross Income	546,544.56	535,281.75
To Profit and Loss Account	1,213,057.94	902,005.78
(b) Adjustments—Net debit	58,338.16	60,303.69
Net Profit for year	1,154,719.78	841,702.09
Previous surplus	3,472,088.42	2,630,386.33
Surplus—end of year	4,626,808.20	3,472,088.42

Note (a) Deductions from Gross Income include Hire of Freight Cars (debit balance) Joint Facility Rents, Interest, etc.

Note (b) Adjustments, net debit—include amounts written off account Road and Equipment retired, doubtful accounts, and similar items.

It will be observed that Operating Revenues for the year were $5,457,400.54, this being an increase of $416,148.77, or 8.25%. This establishes a new high record.

Operating Expenses increased $111,101.70 or 3.05%.

Net Operating Revenues were increased by $305,047.07 or 21.73%.

Net profit for the year stood at $1,154,719.78, being an increase over previous year of $313,017.69, or 37.19%.

This Net Profit remains after payment of interest on Bond Issue and current Bank loan and represents earnings at the rate of 3.82% on the $30,207,935 invested by the Province in the property.

FINANCIAL

During the year under review, the current Bank loan was reduced from $3,825,000 to $3,300,000, a reduction of $525,000. Debentures due February 1st, 1940, to the value of $111,000 were paid off, making total debt reduction for the year of $636,000.00. New equipment and other betterments of facilities were financed from current income.

TRAFFIC

The most notable feature in traffic was the increase in the movement of freight commencing about September 1st, 1939, and being coincident with the outbreak of War. For several months before the War began freight had been moving in larger volume than in 1938, but during the months of September, October and November 1939, the increase, measured by Net Revenue Tons, moved one mile, was about 40% over the same months in 1938. The greatest increases in car loadings were in lumber, pulpwood, pulp and paper, and ore, while at the same time there was a very heavy movement of general merchandise to the mining Communities.

While the volume of freight being moved stood at record figures, passenger traffic continued to decline throughout the year. As noted in previous years, this condition of declining passenger traffic may be expected to continue, and the only thing that can be done about it is to reduce the passenger train mileage as far as may fairly be done without depriving the people of reasonable passenger service.

At the time of writing, the prospects for heavy traffic in 1940 are good.

GENERAL

The road bed and all rolling stock have been kept in first class condition, and the railway is prepared to meet any demands which may arise as result of War conditions.

Economic conditions throughout the north are good. New buildings are not being erected to the same extent as in former years, and in some sections, retail trade appears to be quiet. There is a very heavy demand for all forest products. While some mines have curtailed their activities to some extent, others are producing in greater volume, with the net result that mining activity remains at a high level. There is every reason to believe that the market for the products of the north will continue to be good, and that the Railway will continue to be called upon to move these products to a greater extent than ever before.

Throughout the year, investigations have been continued to learn the value of the lignite deposits at Onakawana, in co-operation with other Departments of the Government. A great amount of valuable information has been developed, and investigations are being continued.

NIPISSING CENTRAL RAILWAY COMPANY

A separate balance sheet together with statement of operating results on the Nipissing Central Railway is submitted. These statements are self explanatory, and it will be observed that this Company had a small Net loss of $8,973.84 for the year.

All of which is respectfully submitted.

A. H. Cavanagh,
Chairman and General Manager.

TEMISKAMING AND NORTHERN ONTARIO RAILWAY

BALANCE SHEET AS AT 31st MARCH, 1940

Assets

INVESTMENT:			
Road		$34,080,189.57	
Railway Equipment and Motor Busses		6,744,324.93	
Restaurant and News Equipment		14,181.89	
			$40,838,696.39
Investment in Affiliated Companies—			
Nipissing Central Railway		$ 4,762,743.43	
LESS Reserve		706,764.04	
			4,055,979.39
			$44,894,675.78
CURRENT ASSETS:			
Cash		$ 138,652.53	
Accounts Receivable		229,214.56	
Traffic Balances		262,387.23	
Balances due on Townsite Sales		3,654.05	
Agents' and Conductors' Balances		141,893.50	
Material and Supplies		784,631.63	
Ballast Pit Sidings		57,670.21	
Other Assets—Change Fund		50.00	
			1,618,153.71
DEFERRED ASSETS:			
Pension Fund Investments—			
Contributory Fund	$139,004.15		
Non-Contributory Fund	279,734.27		
		$ 418,738.42	
Fire Insurance Fund Investments		63,549.76	
			482,288.18
UNADJUSTED DEBITS:			
Bus Franchise		$ 18,208.08	
Lignite Deposit—Exploration		17,614.60	
Insurance Premiums Prepaid		759.77	
Advances to Treasurer and Paymaster		1,806.93	
Accounts in Suspense		983.91	
			39,373.29
			$47,034,490.96

Liabilities

PROVINCE OF ONTARIO:			
Loan without Interest			$30,207,934.92
LONG TERM DEBT:			
Debenture Debt payable in instalments in the years 1941 to 1968—Interest 4%			5,782,000.00
CURRENT LIABILITIES:			
Bank of Nova Scotia—Demand Loan		$ 3,300,000.00	
Audited Accounts and Wages		368,731.20	
Traffic Balances		24,683.25	
Debenture Interest—Due and Accrued		41,346.68	
			3,734,761.13
DEFERRED LIABILITIES:			
Pension Fund Reserve—			
Contributory Fund	$139,004.15		
Non-Contributory Fund	279,734.27		
		$ 418,738.42	
Fire Insurance Reserve		63,549.76	
			482,288.18
UNADJUSTED CREDITS:			
Equipment Retirement Reserve—			
Railway Equipment and Motor Busses		$ 2,179,908.58	
Restaurant and News Equipment		10,609.06	
Fidelity Insurance Reserve		4,250.00	
Accounts in Suspense		5,930.89	
			2,200,698.53
Surplus			4,626,808.20
			$47,034,490.96

PROFIT AND LOSS

Retired Road written off after deducting salvage	$ 56,798.17	Balance at 31st March, 1939	$ 3,472,088.42
Uncollectible Accounts, Etc.	2,134.62	Profit from Operating for year ended 31st March, 1940	1,213,057.94
		Townsite Sales	577.83
	$ 58,932.79	Unclaimed Vouchers	16.80
Balance of Surplus at 31st March, 1940	4,626,808.20		
			$ 4,685,740.99
	$ 4,685,740.99		

PORT ARTHUR, ONTARIO, August 12, 1940.

Verified subject to our report of this date.

Black, Hanson & Co.,
Chartered Accountants.

COMPARATIVE INCOME STATEMENT
April 1, 1938, to March 31, 1940

	April 1, 1939 to March 31, 1940	April 1, 1938 to March 31, 1939
Operating Income		
Railway Operating Revenues	$ 5,457,400.54	$ 5,041,251.77
Railway Operating Expenses	3,748,728.78	3,637,627.08
	$ 1,708,671.76	$ 1,403,624.69
Non-Operating Income		
Hire of Freight Cars—Credit Balance	....	....
Rent from All Other Equipment	$ 5,816.37	$ 9,193.19
Joint Facility Rent Income	24,422.78	24,336.90
Miscellaneous Income	20,691.59	132.75
	$ 50,930.74	$ 33,662.84
Gross Income	$ 1,759,602.50	$ 1,437,287.53
Deductions from Gross Income		
Hire of Freight Cars—Debit Balance	$ 195,639.86	$ 175,481.70
Rent for All Other Equipment	16,187.57	9,238.83
Joint Facility Rents	2,977.46	3,241.17
Interest on Funded Debt	234,979.98	239,286.70
Interest on Unfunded Debt	92,800.29	104,100.33
Ore Royalties	3,891.90	3,868.02
Miscellaneous Income Charges	67.50	65.00
Total Deductions from Gross Income	$ 546,544.56	$ 535,281.75
Net Income carried to Profit and Loss	$ 1,213,057.94	$ 902,005.78

RAILWAY OPERATING REVENUES

	April 1, 1939 to March 31, 1940	April 1, 1938 to March 31, 1939
Freight	$ 3,841,369.06	$ 3,425,106.64
Passenger	798,844.99	866,974.92
Excess Baggage	8,108.35	9,228.19
Parlor and Chair Car	892.35	1,397.45
Mail	67,913.40	67,004.49
Express	147,430.89	141,606.67
Milk	2,935.88	5,262.84
Switching	16,825.24	12,816.90
Special Service Train	2,740.17	3,450.96
Dining and Buffet	29,762.80	29,827.45
Hotel and Restaurant	41,737.10	43,508.50
Station, Train and Boat Privileges	596.08	612.77
Storage—Freight	1,161.64	1,087.16
Storage—Baggage	346.05	375.10
Demurrage	7,243.50	6,628.00
Telegraph	97,102.06	104,487.74
Telephone	236,534.94	233,442.80
Bus	108,437.03	47,270.78
Rents of Buildings and Other Property	28,630.50	28,586.60
Miscellaneous	19,033.30	12,787.64
Joint Facility—Dr.	244.79	211.83
	$ 5,457,400.54	$ 5,041,251.77

SUMMARY RAILWAY OPERATING EXPENSES

Maintenance of Way and Structures	$ 779,764.55	$ 816,498.59
Maintenance of Equipment	773,315.66	746,274.44
Traffic	22,111.37	20,887.54
Transportation	1,617,837.79	1,593,918.07
Miscellaneous Operations	353,638.10	288,761.85
General	202,061.31	171,286.59
	$ 3,748,728.78	$ 3,637,627.08
Ratio of Operating Expenses to Operating Revenues	68.7%	72.2%

TRAFFIC AND MILEAGE STATISTICS

Passenger Traffic

Total passengers carried earning revenue		368,749
Number of passengers carried one mile		32,260,173
Number of passengers carried one mile per mile of road		62,763
Average distance carried—miles		87.49
Total passenger revenue	$	798,844.99
Average amount received from each passenger	$	2.17
Average receipts per passenger per mile (cents)		2.48
Total passenger service train revenue	$	1,026,125.86
Passenger service train revenue per mile of road	$	1,996.35
Passenger service train revenue per train mile	$	2.13

Freight Traffic

Number of tons carried earning revenue		1,496,248
Number of tons carried earning revenue one mile		292,482,280
Number of tons carried earning revenue one mile per mile of road		569,032
Average distance haul of one ton—miles		195.5
Total freight revenue	$	3,841,369.06
Average amount received for each ton	$	2.57
Average amount received per ton per mile (cents)		1.31
Freight revenue per mile of road	$	7,473.48
Freight revenue per train mile	$	5.93

Total Traffic

Operating revenue	$	5,457,400.54
Operating revenue per mile of road	$	10,617.51
Operating revenue per train mile	$	4.83
Operating expenses	$	3,748,728.78
Operating expenses per mile of road	$	7,293.25
Operating expenses per train mile	$	3.32
Net operating revenue	$	1,708,671.76
Net operating revenue per mile of road	$	3,324.26

Car Mileage

Average number of passengers carried one mile per car mile	8.8
Average number of passengers carried one mile per train mile	67.1
Average number of passenger cars per train mile	7.6
Mileage of passenger cars	3,677,983
Mileage of loaded freight cars	13,197,433
Mileage of empty freight cars	5,199,612
Average number of freight cars per train mile	29.4
Average number of loaded freight cars per train mile	20.4
Average number of empty freight cars per train mile	8.0
Average number of tons of freight per train mile	451.3
Average number of tons of freight per loaded car mile	22.2
Average miles operated during the year	514.0

Train Mileage

Mileage of revenue passenger trains	480,813
Mileage of revenue freight trains	648,095
Total revenue train mileage	1,128,908

STATEMENT OF MILES OF TRACK OPERATED AT CLOSE OF FISCAL YEAR MARCH 31, 1940

Temiskaming and Northern Ontario Railway

MAIN LINE:		
North Bay to Timmins	257.30	
Porquis to Cochrane	28.30	
Cochrane to Moosonee	186.19	
		471.79
BRANCH LINES:		
Earlton to Elk Lake	28.50	
Englehart to Charlton	7.60	
Porquis to Iroquois Falls	6.10	
		42.20

STATEMENT OF MILES OF TRACK OPERATED AT CLOSE OF FISCAL YEAR
March 31, 1940 (Continued)

Temiskaming and Northern Ontario Railway		
	Carried Forward	513.99
OTHER TRACKS:		
Yard Tracks and Sidings		114.00
PRIVATE SIDINGS OPERATED BY THE RAILWAY:		
Under Private Siding Agreements		20.50
Owned by Private Companies		.55
SIDINGS OPERATED BY PRIVATE COMPANIES:		
Under Private Siding Agreement		9.23
		658.27
Nipissing Central Railway Company		
MAIN LINE:		
Swastika to Noranda	59.74	
SIDINGS AND YARDS	10.00	
		69.74
PRIVATE SIDINGS UNDER SIDING AGREEMENTS		3.30
PRIVATE SIDINGS PRIVATELY OWNED		1.44
		74.48

DETAILS OF RAILWAY EQUIPMENT

	March 31, 1939	Additions During Year	Retirements During Year	March 31, 1940
LOCOMOTIVES:				
Passenger-Freight	60	0	0	60
Switching	6	0	0	6
Total	66	0	0	66
FREIGHT EQUIPMENT:				
Box Cars	238	0	2	236
Flat Cars	268	0	23	245
Stock Cars	0	0	0	0
Cabooses	32	0	2	30
Gas Trans., Dump, Hart and Cinder Cars	97	50	1	146
Total	635	50	28	657
PASSENGER EQUIPMENT:				
First Class Cars	25	5	0	30
Second Class Cars	14	3	1	16
Combination Cars	11	0	0	11
Parlour Cafe Cars	3	0	0	3
Baggage and Express Cars	13	0	0	13
Diesel Power	0	1	0	1
Other Cars in Passenger Service	10	1	1	10
Total	76	10	2	84
WORK EQUIPMENT:				
Business	3	0	0	3
All Other Cars in Railway's Service	162	2	26	138
Total	165	2	26	141

STATEMENT OF BUSSES OWNED
March 31, 1940

	March 31, 1939	Additions During Year	Retirements During Year	March 31, 1940
Busses	12	8	1	19
Trucks	1	0	0	1
Total	13	8	1	20

NIPISSING CENTRAL RAILWAY COMPANY BALANCE SHEET AS AT 31st MARCH, 1940

Assets

Investment:		
Cost of Road		$ 4,251,443.60
Current Assets:		
Cash	$ 20,978.69	
Accounts Receivable	1,769.13	
Agents' and Conductors' Balances	66,260.92	
Ballast Pit Sidings	9,764.35	
		98,773.09
		$ 4,350,216.69
Deficit		715,060.08
		$ 5,065,276.77

Liabilities

Capital Stock		$ 159,000.00
Temiskaming and Northern Ontario Railway—Advance		4,603,743.43
		$ 4,762,743.43
Current Liabilities:		
Audited Accounts	$ 212,526.39	
Traffic Balances	90,006.95	
		302,533.34
		$ 5,065,276.77

DEFICIT ACCOUNT

Deficit at 31st March, 1939	$ 706,086.24
Loss from Operating for year ended 31st March, 1940	8,804.60
Uncollectible Accounts written off	137.06
Retired Road written off after deducting salvage	32.18
	$ 715,060.08

Deficit at 31st March, 1940	$ 715,060.08
	$ 715,060.08

PORT ARTHUR, ONTARIO, August 12, 1940.
Verified subject to our report of this date.
Black, Hanson & Co.,
Chartered Accountants.

NIPISSING CENTRAL RAILWAY COMPANY
COMPARATIVE INCOME STATEMENT

April 1, 1938, to March 31, 1940

	April 1, 1939 to March 31, 1940	April 1, 1938 to March 31, 1939
Operating Income		
Railway Operating Revenues	$519,669.42	$484,932.56
Railway Operating Expenses	491,262.66	449,483.10
Net Operating Revenue	$ 28,406.76	$ 35,449.46
Deductions from Income		
Hire of Freight Cars—Debit Balance	$ 35,639.51	$ 31,886.40
Rent for All Other Equipment	902.70	583.43
Miscellaneous	669.15	2,643.82
Total Deductions from Income	$ 37,211.36	$ 35,113.65
Net Income carried to Profit and Loss. . Dr.	$ 8,804.60	$ 335.81

RAILWAY OPERATING REVENUES

	April 1, 1939 to March 31, 1940	April 1, 1938 to March 31, 1939
Freight	$415,682.19	$370,184.78
Passenger	84,682.23	96,408.33
Excess Baggage	1,279.02	1,264.81
Mail	3,997.08	3,748.73
Milk	2,481.29	2,232.11
Switching	1,450.85	1,303.10
Special Service Train	543.96	736.66
Station, Train and Boat Privileges	107.50	99.85
Storage—Freight	1,044.67	1,022.27
Storage—Baggage	305.65	304.15
Demurrage	1,015.00	634.00
Rents of Buildings and Other Property	5,656.85	5,232.37
Miscellaneous	1,423.13	1,761.40
	$519,669.42	$484,932.56

SUMMARY RAILWAY OPERATING EXPENSES

Maintenance of Way and Structures	$113,952.74	$ 91,687.56
Maintenance of Equipment	69,445.45	59,209.83
Traffic	2,087.93	1,954.69
Transportation	286,203.61	278,248.37
General	19,572.93	18,382.65
	$491,262.66	$449,483.10
Ratio of Operating Expenses to Operating Revenues	94.5%	92.7%

Thirty-Fifth Annual Report

OF THE

ONTARIO MUNICIPAL BOARD

To December 31st, 1940

PRESENTED TO THE LEGISLATIVE ASSEMBLY
BY COMMAND

SESSIONAL PAPER No. 24, 1941

ONTARIO

TORONTO
Printed and Published by T. E. Bowman, Printer to the King's Most Excellent
Majesty, 1941

April 9th, 1941.

Dear Sir: **Re Thirty-Fifth Annual Report**

I have the honour to send you herewith the Thirty-fifth Annual Report of the Ontario Municipal Board to December 31st, 1940.

Your obedient servant,

M. B. SANDERSON,
Acting Secretary.

The Honourable T. B. McQuesten,
Minister of Municipal Affairs,
Parliament Buildings,
TORONTO.

TO THE HONOURABLE ALBERT MATTHEWS,
Lieutenant-Governor of the Province of Ontario, in Council.

MAY IT PLEASE YOUR HONOUR:

The undersigned has the honour to transmit herewith the Thirty-Fifth Report of the Ontario Municipal Board for the year ending December 31st, 1940.

Respectfully submitted,

T. B. McQUESTEN,
Minister of Municipal Affairs.

Parliament Buildings,
Toronto, April 9th, 1941.

ORGANIZATION

of the

ONTARIO MUNICIPAL BOARD OF THE PROVINCE OF ONTARIO

R. S. COLTER, K.C.	CHAIRMAN
W. P. NEAR, B.A. Sc.	VICE-CHAIRMAN
ALAN VAN EVERY, B.A.	MEMBER
M. B. SANDERSON	ACTING-SECRETARY
J. A. McDONALD	INSPECTOR OF TELEPHONE SERVICE

THIRTY-FIFTH ANNUAL REPORT

OF THE

Ontario Municipal Board

To December 31st, 1940

PRESENTED TO THE LEGISLATIVE ASSEMBLY

BY COMMAND

THIRTY-FIFTH ANNUAL REPORT

of the

Ontario Municipal Board

To December 31st, 1940

In pursuance of Section 108 of "The Ontario Municipal Board Act" (R.S.O., 1937, Chapter 60), the Ontario Municipal Board beg leave respectfully to submit their Thirty-fifth Annual Report.

'THE ONTARIO MUNICIPAL BOARD ACT"

Since the revision of the Statutes of Ontario in 1937, "The Ontario Municipal Board Act" was amended by Statutes of Ontario, 1938, Chapter 37, Section 18; 1939, Chapter 47, Section 26; and 1940, Chapter 20.

APPLICATIONS TO THE BOARD

There were 1173 applications to the Board during 1940 (exclusive of Public Vehicle and public Commercial Vehicle License applications), and in regard to 153 of these Public Hearings were held. The applications included a great variety of matters falling within the jurisdiction of the Board and those granted are set out in a list contained in the "Abstract and Summary" appended to this Report, indexed under "Orders issued by the Board." Copies of formal Decisions issued are also contained in the Abstract and Summary, indexed under "Decisions of the Board" and also under the names of the Parties.

SITTINGS OF THE BOARD

The Board held meetings for the transaction of routine business and the disposal of applications every juridical day throughout the year. Many of these appplications, though dealt with informally and disposed of without the necessity of Hearings, entailed in many instances a considerable amount of inquiry and consideration on the part of the Board, especially those coming under the provisions of Section 70 of the Board's Act, which section requires all capital undertakings and expenditures therefor by Municipalities to be approved by the Board.

REVENUE

Ontario Statutes, 1939, Chapter 47, Section 26 (3), Section 107 of "The Ontario Municipal Board Act," being the section respecting the Board's fees, was repealed and re-enacted. The new section came into effect on the 27th day of April, 1939, and the fees are now payable in cash ON THE APPLICATION instead of in Law Stamps on the Board's Order.

During 1940 the Board's fees on applications amounted to $16,169.71. In this amount is included fees on applications for Public Vehicle and Public Commercial Vehicle Licenses—$3,430.76 collected by the Department of Highways and credited to the Board.

APPROVAL OF UNDERTAKING OF CAPITAL EXPENDITURES BY MUNICIPALITIES

(Section 70 of "The Ontario Municipal Board Act", R.S.O. 1937, C. 60)

On the 18th April, 1935, legislation came into effect whereby a Municipality is prohibited from exercising any of its powers to proceed with, authorize or provide any moneys for any undertaking, work, project, scheme, act, matter or thing, the cost or any portion of the cost of which it is intended or required to be provided or raised by the issue of debentures of the Municipality, until the approval of this Board is first obtained. This enactment over-rides the provisions of any general or Special Act and necessitates a great many applications to the Board. A list of these applications granted will be found in the Summary, included in the list indexed under "Orders issued by the Board." Written decisions will be found indexed under "Capital Expenditures" and also under the names of the Applicants.

Six hundred and sixty-eight applications in respect to proposed expenditures, totalling $15,882,908.02 were considered by the Board and approval was refused in respect to approximately $600,000.00 of this amount. It should be noted, however that since Municipal representatives are now aware of the fact that they must obtain the Board's approval of proposed capital undertakings, a large percentage avail themselves of the opportunity of discussing their proposed borrowings with the Board and in many instances are advised that the Board would not be willing to grant approval. Accordingly formal applications in these instances are not filed and do not show in the Board's records.

It should also be noted that the existence of this legislation gives the Board an opportunity to advise and control with regard to the type and term of the debentures to be issued. In this connection the Board has pursued the policy of approving only instalment debentures as opposed to sinking fund debentures and is generally requiring the term of repayment to be shorter than formerly, believing that the saving of interest effected thereby accrues to the benefit of the municipal ratepayers.

A recital in the debenture by-law of the Board's approval under said Section 70 is now obligatory, pursuant to an amendment passed at the 1939 Session of the Legislature (Chapter 30, Section 17), adding paragraph (e) to subsection (1) of Section 305 of "The Municipal Act".

The following list, (generally speaking), shows the maximum debenture term allowed by the Board under this restrictive policy:—

Sidewalks	10 years
Curbs and gutters	10 years
Pavements	10 years
Watermains	15 years
Sanitary Sewers	15 years
Trunk Sewers	20 years
Buildings, including School	20 years

APPROVAL OF RATEPAYERS

By Section 59 (f) of "The Ontario Municipal Board Act" the Board is given power to direct that before any approval is given to the exercise of any powers by a Municipality or to any By-law passed by it, the assent of the electors thereof or of those qualified to vote on money by-laws shall first be obtained, notwithstanding such assent is not otherwise requisite. By virtue of this legislation the Board is continuing its policy, adopted in 1938, of insisting that major capital expenditures the cost of which would be met out of general rates, be submitted to the ratepayers for their approval before being presented to the Board, and further the Board is of the opinion that a representative vote can be taken only at the same time as the municipal election. The result of this policy in many instances has been the rejection of the proposed expenditure by the ratepayers.

ARBITRATIONS

In 1940 the Board acted as Arbitrators in connection with 6 applications, 3 of which were made pursuant to section 79 of "The Highway Improvement Act" for the fixing of compensation to be paid to the Claimants for property expropriated in connection with construction of the King's Highways, where the amount could not be arranged between the Parties. Of the other applications one was made pursuant to "The Power Commission Act," one pursuant to Section 59 of "The Ontario Municipal Board Act" (as enacted by Section 1, Chapter 20, O.S. 1940) and one pursuant to "The Grand River Conservation Act, 1938."

RESTRICTED AREAS

Under Section 406 of "The Municipal Act" (R.S.O. 1937, C. 266) the Board considered 27 applications for approval of Municipal By-laws placing restrictions on certain areas as to use of land and the erection and use of buildings thereon; also, under subsection (2b) 49 applications for variation of restricted areas already established. The applications granted are shown in the Summary in the list of "Orders issued by the Board".

REFUNDING PLANS OF SUPERVISED MUNICIPALITIES

Pursuant to the provisions of section 32 of "The Department of Municipal Affairs Act" (R.S.O., 1937, C. 59), the Board during 1940 considered and approved plans for funding and refunding the bonded indebtedness of the following Supervised Municipalities: Township of Sandwich East, Township of Sandwich West and Town of La Salle.

EXTENSION OF PUBLIC UTILITIES

(Section 407 (2) of "The Municipal Act")

During 1940 the Board approved of extensions to Public Utilities in an amount totalling $640,865.46, covering 21 applications. These are shown in the Summary in the list of "Orders issued by the Board".

FLOATING INDEBTEDNESS

(Section 59 (d) of Part IV, R.S.O., 1937, C. 60, as re-enacted by O.S., 1939, C. 47, S. 26 (1).

Under this legislation the Board issued Orders in respect to 12 Municipalities authorizing debenture issues totalling $695,878.91. It should be noted that this meant a considerable saving of expense to the Municipalities concerned, as special Acts of the Legislature would otherwise have been necessary.

(Section 59 (dd) of Part IV, R.S.O., 1937, C. 60, enacted by O.S. 1939, C. 47, S. 26 (1)

11 Municipalities took advantage of this legislation, which came into effect on April 27th, 1939, and applied to the Board for authority without assent of the electors to retire certain of their debentures redeemable before maturity. The total amount authorized by the Board was $1,505,212.77.

DIRECT RELIEF FUNDING

The policy of the Board to curtail, as far as possible, the funding of direct relief costs by Municipalities has resulted in only 1 application being filed with the Board during 1940 in respect to a portion of their expenditure in this regard, which application was granted. This represents an improvement over the three preceding years when, in 1937, 10 municipalities applied for and received approval to the funding of a portion of their direct relief costs, in 1938, 5 applications were filed of which only 3 were granted and in 1939 the 3 applications filed were approved.

The Board's hopes for the gradual termination of the practice by Municipalities of funding this type of expenditure are therefore justified.

ASSESSMENT APPEALS

There were 17 Assessment Appeals to the Board during 1940, pursuant to section 84 of "The Assessment Act" (R.S.O. 1937, C. 272), involving property assessed at $2,564,193.09. Of this number 4 appeals were withdrawn, formal hearings were held in regard to 12 and 1 was held over for hearing in 1941. The total amount involved in the appeals heard by the Board was $1,828,304.62.

Copies of the Board's written decisions will be found in the Summary, indexed under "Assessment Appeals", "Decisions of the Board" and also under the names of the Parties.

"THE MUNICIPAL FRANCHISES ACT"

(R.S.O. 1937, C. 277)

Under section 6 (c) of this Act the Board granted approval of a Municipal By-law granting to the London Street Railway Company a transportation franchise for one year for operation of a bus service within the limits of the City of London.

Pursuant to section 8, the Board heard two applications by Gas Companies for Certificates of Public Convenience and Necessity to construct works to supply and to supply gas to residents of certain Municipalities. Copies of these Certificates will be found in the Summary, indexed under "Certificates of Public Convenience and Necessity", "Decisions of the Board" and under the names of the Applicant Companies and the Municipalities concerned.

VALIDATION OF MUNICIPAL BY-LAWS AND DEBENTURES

(Section 64 of Part IV R.S.O. 1937, C. 60)

98 applications were made to the Board in 1940 for validation of Municipal By-laws and certification of the debentures authorized thereunder. The total of such debenture issues was $4,216,453.02.

While purchasers of debentures are frequently satisfied with Orders of the Board under section 70 of the Board's Act, it has been found, particularly in regard to the larger issues, that a further Order of the Board validating the By-law and providing for certification of the debentures, facilitates the marketing of the issue.

PLANS OF LAND SUBDIVISIONS

Under "The Planning and Development Act" (R.S.O., 1937, C. 270, section 5 and 6), "The Land Titles Act" (R.S.O., 1937, c. 174, section 112) and "The Registry Act" (R.S.O., 1937, C. 170, Section 83 (15)), 40 plans were presented to the Board for approval and certification.

PROVINCIAL RAILWAYS

Extensions of and improvements to Provincial Railways during 1940, as reported to the Board will be found in the Summary, arranged alphabetically under the names of the several Systems reporting.

Annual Reports, to December 31st, 1940, by Railway Companies under the Board's jurisdiction were received, of which a summarized tabulation has been prepared for publication herein. The Board has no means of auditing these reports as received and cannot therefore guarantee that the figures taken therefrom are correct or accurate.

Under "The Railway Act" there were 13 applications to the Board in 1940.

Applications were received regarding the operation of buses in connection with the street railway systems of the Cities of Fort William, Kitchener and London.

A tabulation of Accident Reports received by the Board from Provincial Railways during the year 1940 is included in the Summary and shows that 20 persons were killed and 1,558 injured during the year.

PUBLIC VEHICLE AND COMMERCIAL LICENSES

Pursuant to "The Public Vehicle Act" (R.S.O. 1937, C. 289), and "The Commercial Vehicle Act" (R.S.O. 1937, C. 290), no Public Vehicle or Commercial Vehicle license, respectively, may be issued by the Department of Highways without the approval of the Board being first obtained as evidenced by a Certificate of Public Necessity and Convenience of the said Board furnished to that Department, and then only in accordance with such Certificate. Upon the granting of a Certificate by the Board the Department may then, in its discretion, issue or refuse a license.

The Board set aside 37 days during the year for hearing the applications for Certificates of Public Necessity and Convenience. In addition the Board has set aside each Friday morning to deal with the matter of transfers and other details brought before it by the Public Vehicle Division. The Board also during 1940 gave appointments for similar hearings at Port Arthur and Fort William, Kirkland Lake, Cornwall, Sudbury and North Bay.

During the year 44 applications were made for Public Vehicle Licenses and 819 for Commercial Vehicle Licenses. These include applications for extensions to and clarification of existing licenses, and the following is a classification of these and disposition made of same:—

	Class "A"	Class "B"	Class "C"	Class "D"	Class "E"	Class "F"	Class "H"	P.V.	Ttl
Applications Received	47	4	126	73	143	412	14	44	863
Applications Granted	28	4	78	57	112	337	6	29	651
Applications Dismissed	9	0	36	7	7	32	4	6	101
Applications Cancelled	0	0	7	4	20	34	0	1	66
Applications Withdrawn	3	0	2	1	4	9	3	4	26
Applications Reserved	7	0	3	4	0	0	1	4	19

In supporting an application before the Board the applicant may appear in person or be represented by his Solicitor, or, under exceptional circumstances, if unable to attend, may submit evidence in the form of letters, petition or affidavits. The Board hears and considers the evidence for and against and also takes into consideration the facilities extended by existing licensed operators and its decision is based on whether public necessity and convenience requires the service for which the application is made. During the past year the Board has required that sufficient evidence be filed with each application for a license or extension to a license to justify the application being listed for hearing. This has tended to shorten the list as well as to insure that applications are supported when listed for hearing.

All transfers of Public Vehicle and Public Commercial Vehicle licenses are subject to the approval of the Board and care is taken to prevent anything that might appear to be trafficking in licenses. Transfers of important licenses are usually made the subject of a Hearing and evidence is heard for and against.

The Department of Highways has referred to the Board during the year the applications of Class "D" operators for substitution or addition of contract shippers. Such applications are now made the subject of Hearings.

Through the co-operative efforts of the Department of Education and the Public Vehicle Division of the Department of Highways, an effort was made to have all motor vehicles carrying school children licensed under a school bus permit. These applications were dealt with by the Board and permits issued for which no fees were charged and the result has been that 110 School bus applications were received during the year. Of these 97 were granted, 8 cancelled, 3 discontinued, 1 is not operating and 1 has lapsed. The chief objective of this effort has been to require all such vehicles to carry insurance as provided by "The Public Vehicle Act."

FORMS

The Board has (for distribution to parties interested) the following forms and specifications, namely:—

1. The Board's Rules of Practice and Procedure and Practice Forms.
2. Regulations, Specifications and Forms respecting Railways.
3. Standard Specifications for Bridges, Viaducts, Trestles or other structures.
4. Memorandum of material required in support of application for approval of undertaking of capital expenditure involving debenture issue, under section 70 of "The Ontario Municipal Board Act" (R.S.O. 1937, C. 60).

5. Forms of By-laws and Notices which may be used when carrying out the provisions of sections 280 and 305 of "The Municipal Act" (R.S.O. 1937, C. 266) in respect of voting on Money By-laws.
6. Forms for Annual Reports by Railway Systems.
7. Forms for Reports as to Examination of Motormen.
8. Forms for Reports of Accidents by Railway Systems.
9. Directions for guidance of applicants under subsection (2) of section 407 of "The Municipal Act".
10. Tariff of the Board's Fees.
11. Forms under "The Planning and Development Act" with directions for guidance of applicants thereunder.
12. "The Telephone Act".
13. Form of Annual Report to be furnished to the subscribers to a Telephone System established under Part II of "The Telephone Act".
14. Instructions for preparation of Annual Report as mentioned in No. 15.
15. Pamphlet containing information regarding Provincial Telephone Systems and including:—
    - (a) Form of By-law providing for the establishment of a telephone system under Part II of "The Telephone Act".
    - (b) Form of By-law providing for the issue of debentures to pay for the cost of establishing a telephone system under Part II of "The Telephone Act".
    - (c) Form of By-law to regulate the management and operation of a telephone system established under Part II of "The Telephone Act".
    - (d) Form of Account for the use by Telephone Companies using the "Discount System of Collections."
    - (e) Form of Municipal Debenture—Instalment Plan.
    - (f) Form of Constitution and By-laws for a telephone company.
16. Form of Petition praying for the establishment or extension of a Telephone System under Part II of "The Telephone Act".
17. Form of By-laws granting to a telephone company the right to use the highways of a Township.
18. Form for Return by Municipality operating a telephone system.
19. Form for Return by Company, etc. operating a telephone system.
20. Form for Tariff of Tolls for telephone system.
21. Form for Return by Telephone Companies required by Order of the Board to set up a reserve for depreciation.

MISCELLANEOUS MATTERS UNDER THE BOARD'S JURISDICTION

Copies of the Board's written Decisions and a list of Orders issued in 1940 appear in the Summary. These relate to:

Arbitrations—Section 22 (7) of "The Power Commission Act" (R.S.O. 1937, C. 62); Section 59 of "The Ontario Municipal Board Act" (as enacted by Section 1, C. 20, O.S. 1940) and "The Grand River Conservation Act, 1938".

Assessment Appeals—Section 84 of "The Assessment Act," (R.S.O. 1937, C. 272).

Bridges, Relief from rebuilding of—Section 480 (9) and (10) of "The Municipal Act" (R.S.O. 1937, C. 266).

By-laws, approval of—Section 59 (c) of "The Ontario Municipal Board Act" (R.S.O. 1937, C. 60).

Detachment of Farm Lands from Town or Village—Section 21 of "The Municipal Act" (R.S.O. 1937, C. 266).

Erection of Police Village—Section 526 (3) of "The Municipal Act" (R.S.O. 1937, C. 266).

Extension of Municipal Utilities—Section 407 (2) of "The Municipal Act" (R.S.O. 1937, C. 266).

Extension of Time to pass Municipal By-laws—Section 297 (5) of "The Municipal Act" (R.S.O. 1937, C. 266).

Floating Indebtedness, authority to Municipalities to issue debentures for — Section 59 (d) of "The Ontario Municipal Board Act" (R.S.O. 1937, C. 60). (re-enacted by O.S. 1939, C. 47, S. 26).

Franchises—Approval of Municipal By-laws granting right to the laying of mains and pipes for supply of gas and Certificates of Public Convenience and Necessity in respect to the construction of works to supply and to supply gas to residents of Municipalities, pursuant to franchise therefor and also transportation franchise for one year for operation of a bus service in the City of London—Section 6 (c) and 8 of "The Municipal Franchises Act" (R.S.O. 1937, C. 277).

Highways, deferred widening of—Section 348 of "The Municipal Act".

Highways, Department of, Claims against—Fixing of compensation—Section 79 of "The Highway Improvement Act" (R.S.O. 1937, C. 56).

Highways, Narrow—Approval of—Section 502 (2) of "The Municipal Act". (R.S.O. 1937, C. 266).

Increased Borrowings by Municipal Councils—Section 339 (2) of "The Municipal Act" (R.S.O. 1937, C. 266).

Interest Decrease and Interest Increase By-laws, Approval of—Section 310 of "The Municipal Act" (R.S.O. 1937, C. 266).

Legislation, Special—Approval of By-laws under.

License Fee, approval of fixing of to residents of a Municipality owning and using a bicycle on any highway therefor—Section 420 (11) of "The Municipal Act" (R.S.O. 1937, C. 266).

Local Improvements, approval of undertaking of and passing of a By-law therefor—Section 8 of "The Local Improvement Act" (R.S.O. 1937, C. 269).

Local Improvements, Abandonment of Part of Work—Section 18 of "The Local Improvement Act" (R.S.O. 1937, C. 269).

Local Improvements, Apportionment of cost of work—Section 27 (3) of "The Local Improvement Act" (R.S.O. 1937, C. 269).

Local Improvements, Approval of By-law providing for paving of Lane—Section 29 (3) of "The Local Improvement Act" (R.S.O. 1937, C. 269).

Parks, Approval of the setting aside part of for athletic purposes, etc.,—"The Public Parks Act" (R.S.O. 1937, C. 285).

Schools—Amalgamation of School Sections—Appointment of Referee for—"The Public Schools Act" (R.S.O. 1937, C. 357).

Railways, Provincial, Orders respecting—"The Railway Act".

Restricted Areas, approval of By-laws for establishment of—Section 406 of "The Municipal Act" (R.S.O. 1937, C. 266).

Restricted Areas, Repeal of, or amendments to, approval of By-laws for—Section 406 (2b) of "The Municipal Act" (R.S.O. 1937, C. 266).

Retirement of unmatured debentures—Section 59 (dd) of "The Ontario Municipal Board Act" (as enacted by O.S. 1939, C. 47, Section 26 (1)).

Sewage disposal works, approval of—Section 101 (11) of "The Public Health Act" (R.S.O. 1937, C. 299).

Sinking Funds, use of surplus—Section 321 (a) of "The Municipal Act" (R.S.O. 1937, C. 266) (as enacted by O.S. 1939, C. 30, Section 18).

Sinking Funds, authority to dispense with further levy for, where amount in Sinking Fund sufficient—Section 321 (b) of "The Municipal Act" (R.S.O. 1937, C. 266) (as enacted by O.S. 1939, C. 30, Section 18).

Sinking Funds, redemption of Debentures with,—Section 327 of "The Municipal Act" (R.S.O. 1937, C. 266).

Sterling, issue of debentures in—Section 306 (3) of "The Municipal Act" (R.S.O. 1937, C. 266).

Supervised Municipalities, Appeals to Board—"The Department of Municipal Affairs Act" (R.S.O. 1937, C. 59 (Part III).

Supervised Municipalities, Approval of Refunding Plans—"The Department of Municipal Affairs Act" (Part III).

Supervised Municipalities, Supervision by the Department of Municipal Affairs —"The Municipal Affairs Act" (R.S.O. 1937, C. 59) (Part III).

Supervised Municipalities, Variation in Local Improvement Rates—"The Department of Municipal Affairs Act" (R.S.O. 1937, C. 59) (Part III).

Tax Rate, Approval of further debt and levy therefor—Section 315 (2) of "The Municipal Act" (R.S.O. 1937, C. 266).

Tariff of Board's fees—Section 107 of "The Ontario Municipal Board Act" (R. S.O. 1937, C. 60), (re-enacted by O.S. 1939, C. 47, Section 26 (3)).

Unemployment Relief, approval of works under—(Section 7, "The Unemployment Relief Act, 1935" (C. 71).

Unemployment (Direct) Relief, Funding of cost—"The Unemployment Relief Act, 1935" (C. 71).

Validation of debenture By-laws—Section 64 (Part IV) of "The Ontario Municipal Board Act" (R.S.O. 1937, C. 60).

Vote of Electors, applications to dispense with—Section 69 of "The Ontario Municipal Board Act" (R.S.O. 1937, C. 60).

Works ordered by Dominion Railway Board—Section 307 (3) (f) of "The Municipal Act" (R.S.O. 1937, C. 266).

M. B. SANDERSON,
Acting Secretary.

THE ONTARIO MUNICIPAL BOARD

REPORT OF THE INSPECTOR OF TELEPHONE SERVICE

For the Year 1940

The following applications under the provisions of "The Telephone Act" (R.S.O. 1937, Chapter 261) were dealt with by the Board in 1940:

Under Section 31:	For the approval of the purchase of an existing telephone system by a municipality or any portion thereof	3
Under Section 51:	For an order approving appointment of Commissioner to fill vacancy	3
Under Section 56:	For the approval of by-laws of a municipal telephone system	2
Under Section 58:	For an order prescribing the date for holding the annual meeting of subscribers	1
Under Section 79:	For the approval of municipal by-laws granting the right to erect poles and wires upon the highways	1
Under Section 87:	For the approval of by-laws of a telephone company	10
Under Section 96:	For the approval of agreements providing for interchange of service	27
Under Section 101:	For the approval of the sale of telephone systems	5
Under Section 103:	For the approval of charges for telephone service	42
Under Section 108:	For an order re maintenance of reserve for depreciation	5
Under Section 109:	For authority to expend a portion of the moneys set aside for depreciation, upon new construction or extensions or in the purchase of securities	8
	Total Number of Applications	107

The continued policy of the Board in endeavouring to secure an amicable settlement of matters in dispute between the applicant and respondent has proved successful in the majority of cases.

In addition to the applications and complaints referred to, a vast amount of correspondence relating to telephone matters has been dealt with by the Board's Telephone Department, through the medium of which much information and assistance has been given to municipalities, companies and other persons interested, and many difficulties which might otherwise have necessitated a formal application and public hearing have been satisfactorily adjusted.

During the year the following changes were made in the Board's records of Telephone Systems coming within its jurisdiction:

The Plant and Assets of The Scarboro Telephone Company Limited operating about 390 telephones and the Grunwald Telephone Line and the Fairyport Telephone Line operating 12 and 33 telephones respectively were sold to The Bell Telephone Company of Canada.

The number of telephone systems within the jurisdiction of Ontario of which the Board has record is 572 operating 117,687 telephones, 31,934 miles of pole lead carrying 199,478 miles of wire and representing an investment of over $11,500,000.

There are eleven systems owned and operated by municipalities under the provisions of Part I of "The Telephone Act", viz.: the Cities of Fort William and Port Arthur, the Towns of Cochrane, Dryden, Fort Frances, Kenora, Keewatin and Rainy River, and the Townships of Alberton, Caledon and Hilliard.

One hundred and twenty-one systems are now established and operating under Part II of "The Telephone Act" and furnishing service in two hundred and seventy-seven towns, villages and townships.

There are sixty-seven systems owned and operated by individuals or partnerships of less than five persons, three hundred and fifty-six by Incorporated Telephone Companies, ten by Incorporated Companies other than Telephone Companies, and seven by Federal or Provincial Government Departments and Commissions.

In addition to the before mentioned systems, the Forestry Branch of the Department of Lands and Forests is operating an extensive system in connection with its work of fire prevention. This system comprises 760 telephone stations, 1,781 miles of pole lead, 1,181 miles of tree line, and 5,601 miles of wire, the total investment being $326,872.21.

Detailed statistics and other information relative to these systems will be found in the appendix to this report, entitled: "Telephone Systems, 1940."

JAS. A. McDONALD,
INSPECTOR OF TELEPHONE SERVICE.

ABSTRACT AND SUMMARY

DECISIONS OF THE BOARD

ARBITRATIONS

P.F. A-9495

IN THE MATTER of Section 79 of "The Highway Improvement Act" (R.S.O. 1937, Chapter 56) and

IN THE MATTER of the application of the Department of Highways for the fixing by the Ontario Municipal Board of compensation to be paid to Mrs. Matilda M. Clow in respect to certain of her lands expropriated by the said Department and being Lots 9 and 10, Broken Front Concession, Yonge Township in the County of Leeds.

BETWEEN:

MRS. MATILDA M. CLOW,

Applicant,

—and—

THE DEPARTMENT OF HIGHWAYS,

Respondent.

L. V. Fitzpatrick, Esq., K.C. .... For the Applicant,

R. J. Driver, Esq., K.C. .... For Tenant, Margaret McMillan

H. J. Sims, Esq., K.C. .... For the Respondent.

JUDGMENT

This is an application on behalf of the Claimant for the determination of the amount of damages to be paid to her by the Department of Highways for land expropriated by the Department for Highway purposes.

The Claimant is a married woman and is the residuary legatee under the will of her father, William McMillan, and her mother, Margaret McMillan, has a life estate in the west half of Lot 9 and the East quarter of Lot 10, Broken Front Concession, Yonge Township, County of Leeds.

The farm is situated along the St. Lawrence River. The Claimant says it contains about 125 acres. The plan shows 93½ acres. The farm house and small barn are built near the St. Lawrence River, and are surrounded by a garden plot, some small fruit bushes and some fruit trees. On a small point jutting into the River are two cottages owned by residents of Brockville who each pay $15.00 per year rent for the land on which the cottages are built. The balance of the river frontage is not suitable for summer cottages.

Most of the farm is covered with water or is low lying. Besides the garden plot there are 7 to 9 acres of workable land. There are two wood lots one of which can be approached only by boat. The farm and farm buildings are reached by a Township road, a winding road unimproved through a bush. The distance by the road from the buildings to the main road is about four miles. The road is almost unpassable in winter. Rocks are jutting up in portions of the road which make it dangerous for automobiles. The house is not occupied in the winter. the residuary legatee being a married woman resides with her husband on his farm and the mother occupies the house during the summer. The mother sometimes rents part of the house by the day or week to tourists.

The farm was purchased by the late William McMillan in 1897 for $1100.00. He erected a barn. The property is assessed at $850.00.

Geo. A. Clow, the husband of the Claimant says that he worked the farm. He uses the land north of the highway about 40 acres (except 9 acres) for pasture. In addition there are 9 acres of workable land and about 50 acres of bush land. He values the land north of the new highway at $2500.00 for pasture. He values the land (about 12 or 14 acres) south of the highway at $6000.00; $3000.00 for the house and barn and $3000.00 for the river front. He refers to the sale of a small farm to the Sifton Estate, about 15 acres with a small house for $15,000.00.

On cross examination he valued the tillable land at $75.00 per acre, and the river frontage, 1300 ft. at $3.00 per foot.

Geo. Clow, the father of Geo. A. Clow, figures there would be 3000 cords of stove wood on the land, and the land, after removal of woods, would be worth $1000.00. He placed a value of $4000.00 on the land north of the new highway and $6000.00 on the land south of the highway for lots 800' frontage at $6.00 per foot. In cross-examination he said he was not a valuator, but that he had 80 acres on No. 2 Highway which is assessed at $3000.00.

D. R. Davis, an Insurance and Real Estate Agent in Brockville, claimed also to be an appraisor, but in cross examination admitted that his appraising was as to damage by fire. He placed a value of $4000.00 on the land north of the highway after being told as to the lumber. He said that on the river front there were two good points, that it was not now ready for subdivision but had a potential value of $2500.00. Total valuation $6500.00. In cross examination he admitted that his knowledge of valuation of river frontage west of Brockville was not so good as East of Brockville where river frontage would sell at $10.00 per foot. He said there were large boulders in front of the East point and it would be necessary to remove these.

J. A. McDonald, a farmer, valued land with bush north of Highway at $33.00 per acre, the house at $2,000.00, barn $275.00 and shed at $50.00.

Benjamin Ferguson, a farmer, valued land north of highway with the timber at $35.00 per acre and the buildings the same as Mr. McDonald.

Walter Fulford, a farmer, 4 miles west of Brockville, has developed some river frontage and has made sales at $10.00 per foot. He says that Clow's frontage compares with his but is 6 or 7 miles West. He valued the land south of the highway at $6000.00. He said his access to highway was good and about 60 rods away.

For the Defence:

Jean A. Lewin, the deputy Registrar of the Surrogate Court produced the papers filed on application for Probate of the Will of William McMillan, wherein the Executor, Margaret McMillan, the widow, and Archibald Elliott swore that the value of this farm was at that time (February 1907) $1100.00.

Joseph Elwood, a Real Estate Agent of South Falls, examined this farm. He figured there would be 25 acres in both wood lots and that there would not be sufficient lumber on it to interest a lumber man. He enumerated different farms he was offering for sale. He said the farms today were worth about 50% of what they would sell for 20 years ago. He valued the farm at $1500.00.

Walter Gardiner, an appraisor for the Commissioner of Agricultural Loans, has known the property for 20 years. He placed the value at $1800.00.

Victor Purvis, Reeve of Young Township, valued the farm at $2000.00 and something additional for river frontage. He pointed out that the assessment was $850.00; that formerly assessments were two-thirds of value but that the percentage has been lowered on farms farther back from the road.

Norman Richardson, Chief Property Valuator for the Department of Highways said that he took the whole farm because the north part was of little value and there were no building on it. He valued the farm at $2000.00 which included the river frontage.

He pointed out that the Sifton purchase was for 100 acres and the price paid was $3500.00. It was a purchase to add to the location of the property then held by the Sifton Estate.

He admitted he had offered $2700.00 for the property in order to avoid litigation.

At the request of the parties the Board inspected the property. The only land suitable for summer cottages is now occupied by the two cottages mentioned in the evidence. The balance of the frontage is rocky and not protected by trees. The house has been recently painted and is in a fair state of repair, but the furnace is useless. The barn is in poor repair and is not suitable for cattle. The other buildings are of little value. The balance of the land is of little or no value as a farm. Much of it is covered with water and bush, and the balance is low. Only between 7 and 9 acres is workable. No farmer will pay much for a farm on which there is only 7 to 9 acres of tillable land, even if the balance could be used for pasture. The farm is poorly situated and the road leading to it is extremely poor.

If Geo. A. Clow was honest in his statement of values—50 acres bush $3000.00, land north of the highway for pasture $2500.00, land south of highway $6000.00, buildings $3000.00, he must have been greatly influenced by his statement that the Sifton property (15 acres and a small house) was sold for $15,000.00. His statement was wrong. There were 97 acres instead of 15 acres, and the purchase price was $3500.00 not $15,000.00 and the purchase was by the Sifton Estate to add to their then holdings.

The Board cannot accept the evidence of Geo. A. Clow or his witnesses, as to value. The Board cannot believe Mrs. Clow when she says that she was offered $8000.00 for the property south of the highway by an American whom she never saw before or since. The evidence of these witnesses is most unreasonable.

The Department has agreed to take over the leases of the two cottages and to allow Mrs. McMillan the use of the house, garden and fruit trees and bushes during her life.

The Board is unable to find that this property is worth $2700.00 the amount offered by Richardson, and the offer must have been made to avoid litigation as he says. The Board finds that a fair value of the said lands is $2000.00, in addition to the use hereinbefore mentioned reserved to Mrs. McMillan. There will be no damages allowed for forcible taking.

There will be no costs to either party and Order will be issued accordingly, the Board's fee of $40.00 on the application to be paid by the Department of Highways.

DATED at Toronto, this 15th day of August, A.D. 1940.

R. S. COLTER,
Chairman,

W. P. NEAR,
Vice-Chairman.

P.F.A.-9572

IN THE MATTER of Section 76 of "The Highway Improvement Act" (R.S.O. 1937, Chapter 56), and

IN THE MATTER of the expropriation by the Department of Highways of the Province of Ontario of certain lands owned by Mabel Milligan and being part of Lot 1, Concession 1, Township of North Grimsby, County of Lincoln, and

IN THE MATTER of the determination of the proportion of the fixed amount of compensation as between the said owner and R. Murgatroyd and Sons, Mortgagees.

F. R. Murgatroyd, Esq. .... for the Mortgagees, F. Murgatroyd and Sons

H. C. Moore, Esq. .... For the Department of Highways

JUDGMENT

THIS IS A CLAIM for compensation for the expropriation of 2.858 acres of land being all of the southerly portion of Lot Number 1, Concession 1, in the Township of North Grimsby in the County of Lincoln, an orchard farm in the Niagara Peninsula, by the Department of Highways for highways purposes.

On the 5th day of June, 1937, Highway Plan No. 134 comprising an area of 1.174 acres was registered. On the 19th day of September, 1938, Highway Plan No. 172 comprising an area of .121 acres was registered. On the 16th day of May, 1939, Highway Plan No. 193 comprising an area of .020 acres was registered. On the 25th day of November, 1939, Highway Plan No. 210 comprising an area of 1.543 acres was registered. The total area of the various takings is 2.858 acres and is the southerly portion of the farm belonging to Mabel Milligan on which R. Murgatroyd and Sons hold a mortgage for $2,000.00 at the times of expropriation. On the 17th day of February, 1924, one William Hunter who was the owner of 14 acres of land more or less gave a mortgage to Robert C. Murgatroyd and Ellis W. Murgatroyd doing business under the name and style of R. Murgatroyd and Sons for the sum of $3,500.00 with interest at 7 per cent. On the 18th day of March, 1927, William Hunter sold to Mabel Milligan 9 acres more or less of the said lands and the said Mabel Milligan assumed payment of $2250.00 of the said mortgage which was chargeable against the said 9 acres. The mortgagees discharged 4.792 acres of the said 14 acres for the sum of $1250.00 or at the rate of about $250.00 per acre.

The Department of Highways agreed with Mabel Milligan to pay the sum of $1600.00 as full compensation for the taking of the said lands and all damages suffered by her and paid to the said Mabel Milligan the sum of $1000.00 on account. No Notice of Expropriation was given to the Mortgagee.

R. Murtgatroyd and Sons gave notice to the Department of Highways of their mortgage and the Department of Highways suggested that they should pay to the said R. Murtgatroyd and Sons the sum of $600.00 as compensation for the damages to them resulting from the exercise of the power to expropriate. R. Murgatroyd and Sons claimed that $600.00 was not sufficient compensation for the damages suffered by them and claimed that they were entitled to payment to them of the full sum of $1600.00 which sum they agreed was sufficient to cover the damages suffered by them.

The Public Works Act (R.S.O. 1937, Chapter 54, Section 21), provides:

> "The Minister shall make to the owner of land entered upon, taken or used by him or injuriously affected by the exercise of any powers conferred by this Act due compensation for any damages necessarily resulting from the exercise of such powers, beyond any advantage which the owner may derive from the contemplated work, and any claim for such compensation not mutu-

ally agreed upon, shall be determined as hereinafter provided."

In the Interpretation section of this act, Section 1 (g) provides:

> " 'Owner' shall include a mortgagee, lessee, tenant, occupant, person entitled to a limited estate or interest, and a guardian, executor, administrator or trustee in whom land or any interest therein is vested."

R. Murgatroyd and Sons, the mortgagees, claim that they were entitled to be paid the full sum of $1600.00. The Board must decide what sum of money the Minister should pay to R. Murgatroyd and Sons for compensation for damages to R. Murgatroyd and Sons resulting from the exercise of the powers beyond any advantage which the owner may derive from the contemplated work.

No evidence as to values or damages was given by the Murgatroyds, they claiming that they were entitled to be paid the full sum of $1600.00 agreed upon. For the Department of Highways, Joseph J. Smith, one of the valuators for the Department since 1937, and a man who has had a vast experience in purchasing, owning and valuing orchard land in the Niagara Peninsula, said that the land was level and fairly good except in the south west corner containing about 1.27 acres which was a ravine through which a creek ran, the banks of which were a poor soil showing shale. The balance of the land taken comprising 1.58 acres, is much better land and would be as good as the land on the rest of the 9 acres. In his opinion the 1.27 acres in the ravine would not be worth more than $100.00 per acre but the land west of the ravine would be worth from $275.00 to $300.00 per acre. He says that the building of the highway has increased the value of the land and that practically all of the poor land of the farm has been expropriated. He says that in his opinion the farm would sell for as much today as it would have sold for prior to taking the 2.858 acres. In cross-examination he referred to the fact that the buildings on this farm were approached, prior to the construction of the highway, by a narrow road which crosses the railway tracks going south. He said that at first he valued the land taken at $450.00 but by reason of the taking and other damages, he made an offer of $800.00 to Mrs. Milligan, the owner. He says that the offer was later increased to $1600.00 in order to prevent a lawsuit.

Mrs. Milligan said that she had received $1000.00 and that in her opinion the $1000.00 paid was for the damages for loss of crops, and for trees which were taken out and of which they lost the use. She says that they got no revenue from the farm for two years by reason of the work that was being done by the Highways Department.

In determining the amount of compensation, the law is well settled that the value to the claimant of the total farm before taking should be taken, and that its value after the part is taken shall be ascertained and that the owner should be paid the difference between the two sums: Re Ontario and Quebec Railway and Taylor (1884) 6 O.R. 338; James vs. Ontario and Quebec Railway (1886) 12 O.R. 624, 15 O.A.R. 1; Re Hannah and Campbellford E. Ry. Co., (1915) 34 O.L.R. 615. The Board finds that in June, 1937, before the taking, the farm was worth the sum of $3610.00 and the value of the farm after the taking to have been the sum of $2910.00, the latter sum including the amount by which the value of the farm has been increased by reason of the construction of the new highway. In the opinion of the Board, the proximity of the right of access to this new highway constituted an advantage which the owner will derive from the contemplated work within the meaning of Section 21 of The Public Works Act: Re Toronto and Hamilton Highway Commission and Crabb (1916) 37 O.L.R. 656, 663. Deducting the latter sum from the former leaves the sum of $700.00 as representing the total value of the lands expropriated and the injury caused to the remainder of the farm by the expropriation. Interest at 5 per cent. should be allowed on $287.54 from the 5th day of June, 1937, on $29.64 from the 19th day of September, 1937, on $4.90 from the 16th day of May, 1939, and on $377.92 from the 25th day of November, 1939.

Section 32 of The Public Works Act provides:

> "The compensation agreed upon or adjudged for any land or property acquired, taken, or used in or injuriously affected by the exercise of any of the powers conferred by this Act shall stand in the stead of such land or property, and any claim to or encumbrance thereon shall, as respects the Crown, be converted into a claim to or upon such compensation, and shall no longer affect such land or property so acquired, taken or used."

In the case of Bigelow v. Austin (1922) 23 O.W.N. 230, Middleton J., as he then was, said at p. 230:

> "Plainly the proceeds of the expropriation of lands belong in the first place to the mortgagee. The question whether his security is ample or scant is quite irrelevant. To the extent that the mortgage-debt is reduced, the creditors benefit. The mortgagee's claim is incontestable."

The Board finds that R. Murgatroyd and Sons are entitled to the sum of $700 with interest

On 1.174 acres from June 5th, 1937, on $287.54	$48.61
On .121 acres from Sept. 19th, 1937 on $29.64	4.58
On .020 acres from 16th May, 1939, on $4.90	.35
On 1.543 acres from Nov. 25th, 1939 on $377.92	17.19

and that on payment of the said sums to R. Murgatroyd and Sons, they shall release the said expropriated lands from their mortgage and that their mortgage shall be reduced by the sum of $700.

R. Murgatroyd and Sons claimed $1600.00. The Department of Highways verbally offered $600.00. The damages found are $700.00 and Interest. Under the circumstances there should be no order as to costs, except the Board's fee of $15.00 which the Board orders to be paid by the Department. The said fee having been paid by R. Murgatroyd and Sons, it is ordered that the Department shall reimburse them.

DATED at Toronto this 23rd day of October, A.D. 1940.

R. S. COLTER,
Chairman,

W. P. NEAR,
Vice-Chairman.

P.F. A-9496

IN THE MATTER of Section 79 of "The Highway Improvement Act" (R.S.O. 1937, Chapter 56) and

IN THE MATTER of the Application of the Department of Highways for fixing by the Board of compensation to be paid to Howard L. Trickey in respect to certain of his lands expropriated by the said Department and being Lots 17, 18 and 19, Broken Front Concession, Township of Yonge, County of Leeds.

BETWEEN:

HOWARD L. TRICKEY, ESQ.,

Applicant,

—and—

DEPARTMENT OF HIGHWAYS,

Respondent.

L. V. Fitzpatrick, Esq., K.C. .... For the Applicant
H. J. Sims, Esq., K.C. .... For the Respondent

JUDGMENT

The Department of Highways expropriated 12.1 acres for right of way purposes and 8.66 acres south of the Highway, being a part of the farm of the Plaintiff in Lots 17, 18, 19, Broken Front Concession in the Township of Yonge in the County of Leeds. The lands expropriated are the St. Lawrence River frontage of the Claimant's farm.

The Claim was heard by the Board at Brockville on the 10th day of July, A.D. 1940.

The Claim as filed is as follows:

1.	Right of way $100.00 for 12.1 acres	$1210.00
2.	Lands south of right of way 6.66 acres. All this land is marsh land for which he claims $100.00	660.00
3.	2 acres of this property is suitable for cottage property and he claims for this $600.00	1200.00
4.	Deprived from use of River for watering cattle	1000.00
5.	Building a road from his house to new highway	500.00
6.	Damage on account of house not facing highway	300.00
7.	Damage for ditching	150.00
8.	Loss of 1938 crop	100.00
		$4,120.00

H. L. Trickey, the Claimant, states that the farm was a good dairy farm comprising 260 acres, all fronting on the River. His house and barns faced the Township Road, along which the mail was delivered and milk and cream collected, that since the new highway is constructed the Township road will not be used, his house is facing from the new road; and mail is delivered on the new road and milk and cream are collected from the new highway; and he will be compelled to build a new road from his house to the new highway, for all of which he claims damages.

He also claims that before the new highway was constructed he kept sixty cattle but since he has kept only forty-five to fifty. He did not give any reason for this. He also said that when it is wet he cannot get to the new road and must use the old road. He claimed that part of the land taken was choice work land and he sometimes put in crops on part of it. Other years he used it in the Spring and Fall for pasture and sometimes he harvested the mash hay. He has a creek running past his barn.

With reference to Claims 1, 2 and 3 the Claimant asks $100.00 per acre for the land taken, about twenty acres (2 acres of which he claims to be more valuable than the rest by reason of the fact that it might be used for cottage purposes. He admitted that it is low marshy land except a very small portion, that he used it for pasture in the Spring and Fall, and sometimes tilled a part of it. The Coutoux plan Exhibit 3 filed by the Department shows that in the right of way there is 6.91 acres which is called high ground (above water level on June 27th, 1940) and 5.10 acres of marsh (below water level June 27th, 1940). South of the right of way there is 2.56 acres of high ground and 6.10 acres of marsh. For 18 acres of this he claims $100.00 per acre. Such a price is most unreasonable for land and marsh of this character.

With reference to the two acres claimed as being suitable for cottage purposes—the easterly point, referred to by the Claimant as being rather low, is shown on Exhibit 3 as "Marsh: Crop of Marsh Hay." The westerly point, two portions of which are shown as 'Marsh' and the balance as 'Crop of Marsh hay' is shown as being 248, or about 3 feet higher than water level 244.96. Neither point has ever been used for cottage purposes and the Board doubts that it will ever be so used under any circumstance. The Board finds that the lands taken are of little value as farm land; that its only value is as pasture land and for the harvesting of marsh hay. As pasture it would be of some value in the Spring, and for marsh hay it would be of some value if the crop is harvested early and before it gets rank. Its use during and after the summer would be of little or no value either as pasture or for hay. The land expropriated is only a small portion of his marsh lands, his whole frontage on the river and for some distance back, being marshy low lying land, some covered with rushes and the balance with what he calls marsh hay. A fair value for this land would be $20.00 per acre.

With reference to Claim No. 5—the ingress and egress to and from his farm have not been interfered with, and no actionable damage has been sustained by reason of this.

Claim No. 6. This is not a matter for which damages can be recovered.

Claim No. 7. Damage for ditching. At some points north of the highway fence the Department has sloped the Claimant's land toward the ditch. The damage for this is almost negligible.

Claim No. 8. Loss of 1938 crop. No evidence was tendered to show when this land was expropriated but the Claimant in his evidence said that on the 13th of July, 1938, he was approached by the Department with an offer. The 'crop' would be a crop of marsh hay. Damage, if any, on this claim would be small.

With reference to Claim No. 4—damage from loss of use of river for watering cattle. This claim has given the Board some trouble. One thousand dollars is claimed for this. Cattle were pastured on this frontage during the Spring and Fall, leading to the conclusion that it was of value as pasturage during the rainy or wet seasons. The land north of the new highway is little if any higher than the land expropriated and some of it is not so high as the River high water mark. A creek runs through the Claimant's land and he has other sources of water supply. But even so there is no doubt that there is some damage to the defendant by being cut off from the River and in the opinion of the Board the Claimant should be allowed $300.00 on this claim.

The Board, therefore, finds that the damage suffered by the Claimant is as follows:

Claim Nos. 1, 2 and 3.—Damage for land expropriated 20.67 acres at $20.00 per acre	$ 413.40
Claim No. 4—Loss by reason of separation from river	300.00
Claim No. 5	Nil
Claim No. 6	Nil
Claim No. 7—Ditching	10.00
Claim No. 8—Loss of Crop, 1938	20.00
	$ 743.40
The Claimant shall also be allowed 10% for forcible taking	74.34
A TOTAL OF	$ 817.74

Judgment for $817.74 damages—there will be no costs.

The Board's fee of $35.00 on the application is to be paid by the Department of Highways.

DATED at Toronto, this 15th day of August, 1940.

R. S. COLTER,
Chairman,

W. P. NEAR,
Vice-Chairman.

P.F. A-9343

BEFORE:	
R. S. COLTER, ESQ., K.C., Chairman, W. P. NEAR, ESQ., B.A., Sc., Vice-Chairman.	DATED at Toronto, this 15th Day of August, A.D. 1940

IN THE MATTER of Clause (ii) of Section 59 of "The Ontario Municipal Board Act" (R.S.O. 1937, Chapter 60) (as enacted by Ontario Statutes, 1940, Chapter 20, Section 1), and

IN THE MATTER of applications by the Corporations of the Township of Nepean, the Township of Gloucester, the Town of Eastview and the Village of Rockcliffe Park, for fixing by the Board of the rates to be charged by the City of Ottawa for water supplied thereto.

BETWEEN:

THE CORPORATIONS OF THE TOWNSHIPS OF GLOUCESTER AND
NEPEAN, THE TOWN OF EASTVIEW, and THE VILLAGE OF
ROCKCLIFFE PARK,

Applicants,

—and—

THE CORPORATION OF THE CITY OF OTTAWA

Respondent.

F. B. Proctor, K.C., and
G. C. Medcalf .... For the Respondent
J. H. Thomson, Esq. .... For the Applicants
Alan VanEvery, Esq. .... For the Department of Municipal Affairs

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JUDGMENT

THIS IS A MOTION on behalf of the Respondent, to set aside the procedeings launched by the Applicants.

By Chapter 20 of the Statutes of Ontario, 1940, The Ontario Municipal Board Act was amended by adding thereto the following clause:

> (ii) hear and determine the application of any municipality to confirm, vary or fix the rates charged or to be charged in connection with water supplied thereto by any other municipality.

Four applications were made by the Applicants under the Legislation to the Board to fix the rates to be charged to the said four municipalities by the City of Ottawa, and this is a motion by the City of Ottawa for an Order declaring that the legislation did not apply to the Respondent. The motion was heard by the Board at the Board's Chambers at the City of Toronto on the 29th day of May, A.D. 1940.

Counsel for the Respondent argued:

1. That the legislation was one sided legislation by reason of the fact that only the municipalities to which water was supplied had the right to launch an application, and

2. That the legislation permitted municipalities to which water was being supplied by another municipality to treat agreements as scraps of paper and

3. That the legislation did not apply to the City of Ottawa by reason of the fact that the City of Ottawa had special legislation with reference to its water works.

With reference to the first and second of these contentions, these are matters with which the Board, on this motion, has no right to deal. In connection with the third contention, the City of Ottawa Waterworks Act, 35 Victoria, Chapter 80, was a special act passed in the year 1872 under which a water commission was established in the City of Ottawa for supplying water to the City of Ottawa for the use of its inhabitants. Amongst other things the act provides:

2. It shall be the duty of the said commissioners to examine, consider and decide upon all matters relative to supplying the said City of Ottawa with a sufficient quantity of pure and wholesome water for the use of its inhabitants, and also to build and construct necessary water works, buildings, machinery, and other appliances requisite for the said object.

10. The board of commissioners for the time being shall regulate the distribution and use of the water in all places and for all purposes where the same may be required, and from time to time shall fix the prices for the use thereof and the times of payment; and they may erect such number of public hydrants and in such places as they shall see fit; and direct in what manner and for what purpose the same shall be used, all which they may change at their discretion; Provided always, that all hydrants, conduits, or other appliances required and furnished for the purpose of extinguishment of fires shall be placed as the corporation of the City of Ottawa shall direct, and shall be under their exclusive control and discretion when erected.

11. The commissioners shall have power and authority and it shall be their duty from time to time, to fix the price, rate or rent (such price, rate or rent not being less, after the completion of the water works, than sufficient to pay the interest and sinking fund upon the debentures issued for the construction of water works, and the expenses of maintaining and working the same), which any owner or occupant of any house, tenement, lot, or part of a lot, or both, in, through, or past which the water pipes shall run, shall pay as water rate or rent, whether such owner or occupant shall use the water or not, having due regard to the assessment and to any special benefit and advantage derived by such owner and occupant, or conferred upon him or her or their property by the water works, and the locality in which the same is situated and such water rate or rent as shall be assessed by such commissioners upon such owner or occupant, shall be and continue a lien and charge, unless paid, upon such real estate; and the water commissioners shall also have power and authority, from time to time to fix the rate or rent to be paid for the use of the water by hydrants, fire-plugs and public buildings.

12. That each vacant lot of land in the City of Ottawa, fronting on the streets under which the water pipes shall be placed shall, provided the pipes run past the said lot, be rated and taxed by the said commissioners ,due regard being had to the assessment and to the advantage which the said lot shall derive from water works.

13. The commissioners shall have full power from time to time to make and enforce all necessary by-laws, rules and regulations for the collection of the said water-rent and water-rate and for fixing the time and times (which shall be quarterly) when, and the places where, the same shall be payable; and the said water-rents and water-rates when collected shall be paid over to the chamberlain of the City of Ottawa, and by him placed to the credit of the water account:———

27. The water commissioners shall have power and authority to supply any corporation, person or persons with water although not resident within the City of Ottawa and may exercise all other powers necessary to the carrying out of their agreements with such persons as well within the townships of Nepean, Gloucester and the incorporated Village of New Edinburgh as within the City of Ottawa; and they may also from time to time make and carry out any agreement which they may deem expedient for the supply of water to any railway company or manufactory; provided

that no power or authority shall be exercised under this clause without the consent and approbation of the corporation of the City of Ottawa.

With particular reference to Section 27, the meaning of the word "corporation" was fully argued by Counsel on behalf of all parties, and it was contended by all counsel that corporation did not mean a municipal corporation but referred particularly to a "company." There is no interpretation of the word "corporation" in the act. Mr. Proctor for the City of Ottawa argued further that there was no power in the Municipality of Ottawa under the special act or under other acts, to supply water to outside municipalities.

The Public Utilities Act and Suburban Area Development Act were both referred to and it was contended that neither of these acts would empower the Board of Control of the City of Ottawa or the City of Ottawa to supply water to the applicants.

The City of Ottawa Act of 1872 provided that a Water Works Commissioner should have control of the water works of the City. In 1879 by a special act, the control of the water works system was changed from the water commissioners to the Corporation. By a special act in 1913 the control of the water works was put under a water commission which was elected. In 1916 by a further special act the control and management of the water works system of Ottawa was changed to the Board of Control of the City of Ottawa, and the water works system is today managed and controlled by the Board of Control of the City of Ottawa.

In the year 1936 By-law No. 8267 of the City of Ottwa was passed. This was a by-law respecting water works and by Section 2 of the said By-law the control management and maintenance of the water works is hereby vested in the Board of Control of the Corporation, which shall attend to and discharge, (subject to approval and directions of the Council of the Corporation), all the duties required by an Act passed in the thirty-fifth year of the reign of Her Late Majesty Queen Victoria, chaptered 80, and entitled an Act for the Construction of Water Works for the City of Ottawa, or under any Act or Acts passed in amendment or in substituton therefor, in whole or in part, to be attended to or discharged by the Water Commissioners or by the Water Works Committee in the said Acts mentioned.

Clause 3 of the said By-law provided that the water works of the Corporation and the operation thereof shall be supervised and administered by an engineer, who shall, under the direction and control of the Board of Control, perform the following duties——and his duties are named.

By clause 7 of the said by-law the water rates are fixed. Clause 46 of the by-law deals with non-resident rate agreements and provides that no person shall be permitted a supply of water for use in any building outside of the City of Ottawa unless he has obtained permission therefor **by resolution of the city council adopting a report from the Board of Control recommending his application, nor until the applicant shall have executed an agreement according to the form set out in Schedule "A" thereto.** Clause 56 of the By-law provides that the rates for water supplied to residents of an adjoining municipality **shall be approved by the engineer and shall be fixed and incorporated in an agreement in writing between the Corporation and the corporation of such municipality.** Schedule "A" to the By-law sets forth the agreement with non-resident water consumers. Schedule "B" to the By-law sets forth a list of the agreements entered into with adjacent municipalities.

There is no provision in the special act whereby an agreement shall be entered into by the Corporation of the City of Ottawa with the applicants in this matter so that the agreements which have been entered into must have been entered into under and by virtue of By-law No. 8267. Under the special legislation the Board of Control should enter into agreements for the supplying of water.

The Board therefor finds that the agreements with the respondent in this matter have not been entered into by virtue of the special legislation of the City of Ottawa (Act of 1872 and amendments) hereinbefore referred to and that therefor the applicants have the right to apply to the Board under and by virtue of Section 59 of the Board's Act as amended by Statutes of Ontario, 1940, Section 1, and the motion of the respondents is therefor dismissed. Costs of this motion are to be determined by the Board on hearing the application.

R. S. COLTER,
Chairman.

W. P. NEAR,
Vice-Chairman.

P.F. A-9303

IN THE MATTER of Section 15 of "The Grand River Conservation Act, 1938" (Chapter 15).

BETWEEN:

THE NORWAY REALTY COMPANY LIMITED
Appellant,

—and—

THE GRAND RIVER CONSERVATION COMMISSION,
Respondent.

(Appeal from Decision of the Grand River Conservation Commission, fixing the amount of compensation to be paid to the Appellant in respect to the expropriation on Part of Lots 7 and 8, Concession 4, in the Township of West Garafraxa in the County of Wellington, consisting of 200 acres more or less with buildings thereon).

COUNSEL:

H. J. McNulty, K.C. .... For the Appellant

H. J. Sims, K.C. .... For the Respondent

THIS IS AN APPEAL by the owner from the award of compensation of the engineers appointed by the Grand River Conservation Commisison in respect to a farm of 200 acres, 137 of which has been expropriated by the Grand River Commission for the purposes of the Commission under the powers conferred upon the Commission by the Grand River Conservation Act, 1938, Cap. 15.

An offer of $9,640.00 for the said expropriated lands was made by the Commission on the 2nd day of March, 1940, but this was refused by the owner on the 11th day of March, 1940. On the 11th day ofApril, 1940, the Board appointed Wednesday, the 8th day of May, 1940, at 10 a.m. at the Public Library in the Village of Fergus as the time and place for the hearing of the appeal herein, and at that time the full Board heard the evidence tendered by the appellant and the respondent, and at the request of both parties viewed the property.

At the trial the appellant contended that the balance of the lands were of little or no value to it because there were no buildings and it would not be wise to build new buildings on a 63 acre farm. Since the hearing the parties have entered into an agreement by which the Commission agrees to purchase the balance of the lands and both parties agree that the price of the whole farm shall be fixed by this Board. A copy of the said agreement has been filed with the Board.

The farm is described as the South West half of Lot 7 and the South West half of Lot 8 in the Fourth Concession of the Township of West Garafraxa in the County of Wellington and contains 200 acres more or less. It is situated on the allowance for road between the Third and Fourth Concessions of the Township which allowance for road ends at the Grand River at the south corner of the farm. The frontage on the road is 4010 feet and of this 2960 feet is high land and is the front of the part not expropriated by the Respondent. East of this frontage the land falls gradually to the banks of the Grand River, and with the exception of the 63 acres, all of the said lands will be flooded by the works undertaken by the Commission. The buildings are east of the 63 acres, not on the higher land but well situated. They consist of a brick house built in 1883 but in a good state of repair, a large frame barn in a fair state of repair, and some smaller buildings not of much value. There is a row of evergreens west of the house. The orchard is of no value. There is no water at the barn, the well having failed some years ago.

At the north east corner of the farm there was a bush covering some 16 acres, and at the north west corner there was a bush covering some 17 acres, both of which were sold by the Commission for $810.00, and at the time of the inspection by the Board, had been cut down. The balance of the land has been cultivated. The farm is not well situated being at the end of a blind road often blocked by snow and it is then necessary to make a road through the fields.

In 1909 the farm was sold by Richardson, the then owner, for $18,000.00. In 1914 it was sold for $12,500.00. After sales in 1916 and 1917, it was sold by the then owner to Ryan and Stapleton who incorporated the Norway Realty Company, the present owner. Since 1924 the farm has been rented. The rental is now $200.00 a year and taxes. The Norway Realty Company is a holding company for the Stapleton Estate which controls many properties including this farm. D. B. Stapleton is the Secretary-Treasurer and Managing Director. He said he had been on the farm only 6 times in 21 years. In 1919 the rent was $600.00 and taxes. In 1924 the half interest of Ryan was purchased for $8000.00 but this was not cash.

The Grand River Conservation Act 1938 states that the Board of Engineers shall determine the amount of compensation payable. This Board was composed of H. G. Acres, G. C. Fairchild, and Herbert Johnson, all eminent engineers, but they felt they were not qualified to place a value on the property and they appointed Messrs. R. H. Smith, a farmer who formerly resided in Garafraxa who has been Reeve and Councillor of that Township, who knew the values of farms, and the sales of farms in the vicinity, and who knew the farm in question well, and J. L. Gregson, the Township Clerk, who knew the value of farms in the vicinity, who knew of sales of farms, and the assessments, to place a value on the farm in question.

The evidence of these two men impressed the Board favourably. They had gone carefully into the different aspects of the valuation and were fair. Mr. Smith said that the former tenant had been sold out; that he left the farm in poor shape and dirty, due to lack of tillage; that water was procured from the river, a distance of about 1000 feet; that the buildings were old and would require a heavy expenditure to keep them up; that the farm is not well situated as the access to it is by a blind road which is usually closed in the winter by reason of snow; that it is 2½ miles from a school. He values the farm at $11,000. Mr. Gregson agrees with this valuation.

Mr. B. J. McCabe, a Real Estate and Insurance Agent at Guelph, was called by the Appellant. He deals in the sale of farms, but had sold no farms in this Township. He says it is an ideal stock farm, well located, good soil and well drained. He examined the timber and logs cut down and values this at $2,500.00. He values the land at $37.50 per acre and the buildings at $5500.00. His valuation of the buildings is the same as the valuation placed by Messrs. Smith and Gregson. They differ in the valuation of the land and the bush.

Smith and Gregson both agree that $30.00 per acre is a fair value for the land. They are neighbours. They know what farms in that vicinity have been selling for; they are supported by the Assessor who assesses land for full value, and the Board finds that the value placed by them should be taken in preference to the valuation placed by McCabe.

There is much difference in the valuation of the timber. This has been cut and some of it removed. McCabe values this at $2,500.00 but does not show any qualifications as to his ability to value it. D. H. Storey, a saw mill operator, said that he looked at the 16 acre parcel of bush land two years ago and he thinks it was worth $1500.00. He looked at the logs cut on the 17 acre parcel and values it at $1,100.00. He valued the spruce trees at $100.00. The Commission did not advertise the two wood lots for sale. They asked several parties for bids and the highest bid they got was $810.00. The Board was not impressed by Storey.

Smith and Gregson were of opinion that the price obtained by the Commission, $810.00, was fair, as the wood was mostly cedar, beech and soft elm and showed considerable rot.

Upon due consideration, however, the members of the Board find that the price of $11,000.00 recommended by the Engineers was fair, taking into consideration the conditions and location of the said lands and buildings and the values of lands in the said area at the time of the taking.

Accordingly the appeal is dismissed and the appellant having paid the Board's fee of $25.00, there will be no order as to costs.

DATED at Toronto this 27th day of June, A.D. 1940.

R. S. COLTER,
Chairman.
D. S. CHARLTON,
Vice-Chairman.
W. P. NEAR,
Commissioner.

ASSESSMENT APPEALS

P.F. A-9596

IN THE MATTER of Section 83 of "The Assessment Act,"

BETWEEN:

ALGONQUIN CORPORATION LIMITED
Appellant,

—and—

THE MUNICIPALITY OF THE VILLAGE OF BURK'S FALLS,
Respondent.

N. S. Robertson, Esq. .... Counsel for the Appellant

C. S. McGaughey, Esq. .... Counsel for the Respondent

DECISION OF THE BOARD

THIS IS AN APPEAL from the decision of the Judge of the District Court of the District of Parry Sound with regard to the Assessment of land and buildings in the Village of Burk's Falls heard on Thursday, the 12th day of September, 1940, at the same time as the appeal of Knight Brothers.

The Court of Revision reduced the assessment on Lots 11 to 15 Syples Street by $3,000.00 but upheld the assessment on all other properties. The learned Judge dismissed the appeal from the decision of the Court of Revision.

The only real evidence as to the value of these properties was again given by Smith, the assessor, who maintained that his assessments were extremely reasonable. There is a factory and other buildings on these lots and they are assessed at $700.00 per lot. The contention of the appellant is that these lots were not more valuable than the lots further down the river and that they should be assessed for $75.00 per lot. There is no evidence to support this contention. The lots below have been said to have been filled by muck, logs, sawdust, etc., and Lots Numbers 11 to 15 are much better situated.

Having viewed the properties and heard the evidence of the witnesses, the Board is unable to find that the assessments as fixed by the Court of Revision are in any way unreasonable and the appeal is therefore dismissed.

The appellant having paid the Board's fee, there will be no order as to costs.

DATED at Toronto this 1st day of November, A.D. 1940.

R. S. COLTER,
Chairman.

W. P. NEAR,
Vice-Chairman.

P.F. A-9595

IN THE MATTER of Section 83 of "The Assessment Act,"

BETWEEN:

THE KNIGHT BROTHERS COMPANY LIMITED,
Appellant,
—and—
THE MUNICIPALITY OF THE VILLAGE OF BURK'S FALLS,
Respondent.

N. S. Robertson, Esq. .... Counsel for the Appellant
C. S. McGaughey, Esq. .... Counsel for the Respondent

DECISION OF THE BOARD

THIS IS AN APPEAL from the decision of the Judge of the District Court of the District of Parry Sound with regard to the Assessment of land and buildings known as mill site, dam, etc., Syples St., W. pt. blk. A. and B and Intake, and office, flume and bulkhead, and was heard by the Board in the Council chambers in the Village of Burk's Falls on Thursday, the 12th day of September, 1940.

The Appellants had constructed a dam in the River from which they developed water power and electrical energy, and they, under an agreement which will expire this year, supplied electric lights and power to the Town. Their mills had been operated by this power and electrical energy. Some years ago the Company went into liquidation and for several years some portions of the buildings have been leased to and used by one Klein and Company. Other portions of the buildings are used by both the appellant and Klein and Company. It is admitted that arrangements would be made between the appellant and the lessees as to payment of the business tax found to be due.

For some years the appellant has enjoyed a fixed assessment on its property and this agreement expires this year. The properties have been assessed annually, but this year, by reason of the expiry of the fixed assessment, the assessor says that he made a more careful assessment and in some instances the assessment was increased. The assessments made by the assessor were as follows:

	Land and Buildings	Business
Mill site, dam, etc.	5,000.00	
Syples St., W. Pt. Blk. A. and B. and Intake	8,000.00	
Office, flume and bulkhead	15,000.00	7,000.00
	$28,000.00	$7,000.00

On appeal to the Court of Revision the assessment was reduced to $20,000.00 on Land and Buildings and $5,000.00 for Business. On appeal to the County Judge, this finding was substantiated and the appeal was dismissed.

To support its contention that it was over assessed, the appellant called the Town Assessor, W. H. Smith, who said that he inspected the property carefully and that even now he did not consider the appellant was assessed for full value. His direct examination was really a cross examination without objection by Counsel for the Respondent. With reference to item 1, when it was pointed out to him that some of the timbers in the dam and on top of the dam showed evidence of decay, he said that the dam itself was of a value of $1,000.00; that the land including water rights was worth $4,000.00. He did not say, as argued by Counsel for the Appellant, that the land was worth $3400.00, nor in the opinion of the Board did he place himself in the position of placing that value on the land. The Members of the Board understood him to say that the dam as a structure by itself was worth

$1,000.00. The lands included in mill site, should not be compared in value to other lands in the town or even other lands owned by the appellant.

In Item 2, the west part of Blocks A and B and Intake, in his examination Smith assessed the land at $3,000.00 and the structure at $5,000.00 but claimed they were not assessed at actual value, but he kept the assessment down because he wanted the appellant to continue operating. He had increased the 1939 assessment and Counsel contended that this was increased because the appellant refused to reduce power rates to the Corporation. There is no evidence of such a motive. There is no evidence to disprove Smith's estimate of the actual value.

In Item 3, Office, bulkhead and flume and land $15,000.00, there is no basis for the argument that the values of these properties would not be increased by reason of being along the river.

Smith, the assessor, was called by the Appellant and the Board is therefore asked by the appellant to accept his evidence. His evidence was fair and not tinged with any animosity. He could not in any way be considered an adverse witness. There was no evidence offered by the appellant to show that his assessments were not fair and reasonable. Evidence to the effect that the properties were not being operated to the same extent as formerly is not evidence refuting his valuations. There is evidence to the effect that efforts are and have for some time been made to effect a sale. Culbert's evidence of an offer of $25,000.00 is not evidence of value. He is a Service Station Operator. He said that that is all that he could afford to pay.

Having heard the witnesses and considered their evidence and having at the request of both parties, examined the properties, the Board finds that it should not interfere with the findings of the Judge and the Court of Revision. The appeal is therefor dismissed. The appellants having paid the Board's fee, there will be no order as to the costs.

DATED at Toronto this first day of November, A.D. 1940 .

R. S. COLTER,
Chairman.

W. P. NEAR,
Vice-Chairman.

P.F. A-9190

IN THE MATTER OF Section 84 of "The Assessment Act" (R.S.O. 1937, Chapter 272)

BETWEEN:

THE STERLING TRUSTS CORPORATION

Appellant,

—and—

THE CORPORATION OF THE CITY OF HAMILTON,

Respondent

Assessment Appeal Re: 55-59 King Street East

COUNSEL: S. R.. Jefferess ....For the Appellant

A. J. Polson, K.C.. .... For the Respondent

BOARD'S DECISION

This was an appeal pursuant to Section 84 of the Assessment Act on the 1939 assessment of 55-59 King Street East in the City of Hamilton, and was heard by the Board, all members sitting, at that city on the 4th of March, A.D. 1940.

V. H. Edwards, and Stewart Chambers gave evidence for the appellant to the effect that the assessment of the land was in excess of the actual value of the same.

A. A. Parker, Fred S. Lumsden and Thomas Crompton gave evidence on behalf of the respondent city to the effect that the assessment under appeal was justified.

It is noted that the land assessments in the block were raised in 1939 and while the Board views with some misgiving an increased assessment on the type of property under appeal, namely, a business block in an old and central section of the city, nevertheless the members have been unable to come to the conclusion that the present assessment is in excess of the actual value of the land in question. The appeal is accordingly dismissed.

The appellant having paid the Board's fee upon the issuance of the appointment and having failed in the appeal, there will be no further order as to costs.

DATED at Toronto this 15th day of May, A.D. 1940.

R. S. COLTER,
Chairman.

D. S. CHARLTON,
Vice-Chairman.

W. P. NEAR,
Commisisoner.

P.F. A-9287

IN THE MATTER of Section 84 of "The Assessment Act", (R.S.O. 1937 Chapter 272)

BETWEEN:

LONDON REALTY COMPANY LIMITED,

Appellant,

—and—

THE CORPORATION OF THE CITY OF LONDON,

Respondent.

COUNSEL. P. J. W. Glasgow, Esq. .... Counsel for the Applicant

H. Davidson, Esq. .... Counsel for the Respondent

THIS IS AN APPEAL pursuant to Section 84 of "The Assessment Act" heard by the Board, all members sitting, at London on the 2nd, 3rd and 4th days of April. The property in question consists of the lands and building comprising the Hotel London in the City of London. The 1939 land assessment was $106,920.00 and the building assessment was $681,080.00, a total of $788,000.00. The Court of Revision reduced the building by $28,000.00 leaving a total assessment in appeal of $760,000.00.

H. F. Struckett, hotel manager, John Putherbough, a general contractor, and H. G. Wright, hotel company executive, were called as witnesses for the appellant, and H. E. Radford, H. J. Bennett, F. England, assessor, T. C. McBride and H. J. Walker were called as witnesses by the respondent.

The questions relating to the value of the property, namely, the business involved, cost of construction and the present value of the land and building, were gone into very thoroughly by both parties and resulted in direct conflict of evidence.

The case is a difficult one in so far as the nature of the property puts it in a class by itself in the City of London. After careful consideration, however, the Board is unable to find any justification for the increase in assessment proposed by the 1939 assessment. It is noted that the last four years inclusive placed the land at $106,920.00 and in fact it is admitted by all parties that there is no quarrel with the land assessment. With regard to the building assessment, it is noted that in 1936 it was $681,080.00, in 1937 $618,080.00 ,in 1938 $618,080.00, and in 1939 the assessment department reverted to the assessment made in 1936 of $681,080.00. The members of the Board were unable to find in the evidence any justification for the said increase and would view with misgiving any policy of assessment whereby assessments were either decreased or increased without some pertinent reason.

The Board accordingly directs that the 1939 assessment be as follows:

Land	$	106,920.00
Buildings		618,080.00
TOTAL	$	725,000.00

and business assessment accordingly.

There will be no costs payable with the exception that since the appellant has paid the Board's fee of $25.00, that the said sum of $25.00 shall be payable by the respondent to the appellant.

DATED at Toronto this 13th day of May, A.D. 1940.

R. S. COLTER,
Chairman.

D. S. CHARLTON,
Vice-Chairman.

W. P. NEAR,
Commissioner.

P.F. A-9072

IN THE MATTER of Section 84 of "The Assessment Act", (R.S.O. 1937, Chapter 272),

BETWEEN:

HENRY WILBERFORCE AIKINS,
Appellant,

—and—

THE MUNICIPAL CORPORATION OF THE CITY OF TORONTO,
Respondent.

P. C. Finlay, Esq.. Counsel for Appellant
F. A. Campbell, Esq., K.C.................................. Counsel for Respondent

This is an appeal from the decision of the County Court Judge of the County of York dismissing the appeal by the appellant from the decision of the Court of Revision on the land known as Lots 1 to 9 inclusive, Registered Plan D. 1335, Bloor Street West in the City of Toronto.

The Board at the request of both parties, viewed the properties in question. After carefully considering all of the evidence adduced and noting that the Court of Revision had reduced the assessment materially, the Board finds that the premises are not at the present time assessed at more than their actual value and the appeal is therefor dismissed.

Formal Order of the Board will issue upon application of the respondent and the appellant having paid the sum of $25.00 for the Board's fees on the issuance of the Appointment herein, there will be no Order as to costs.

DATED at Toronto this 14th day of March, A.D. 1940.

R. S. COLTER,
Chairman.

D. S. CHARLTON,
Vice-Chairman.

W. P. NEAR,
Commissioner.

P.F. A-9215

IN THE MATTER of Section 84 of "'The Assessment Act" (R.S.O. 1937, Chapter 272),

BETWEEN:

A. J. BENTLEY (for Alex. Barthelmes, Owner)
Appellant,

—and—

THE CORPORATION OF THE CITY OF TORONTO
Respondent.

A. J. Bentley, Esq. .... For the Appellant
F. A. Campbell, Esq., K.C. .... Counsel for the Respondent

This is an appeal from the decision of the County Court Judge, upholding the Assessment by the Court of Revision, on the land being Lot 24, Plan 6A being on the west side of Bay Street, and was heard by the Board at its Chambers in the Parliament Buildings in the City of Toronto, on Monday, the 26th day of February, 1940.

Evidence was presented by A. J. Bentley on behalf of the Appellant and Harry Nixon, Deputy Assessment Commissioner of the City of Toronto, on behalf of the Respondent.

After due consideration the Board is of the opinion that the appellant has not established as a fact that the lands are over assessed or that the assessment is in excess of the actual value of the land and the appeal is therefore dismissed.

Formal Order of the Board will issue upon application of the respondent, and the appellant having paid the sum of $25.00 for the Board's fees on the issuance of the appointment herein, there will be no Order as to costs.

DATED at Toronto this 14th day of March, A.D. 1940.

R. S. COLTER,
Chairman.

D. S. CHARLTON,
Vice-Chairman.

W. P. NEAR,
Commissioner.

P.F. A-9236

IN THE MATTER of Section 84 of "The Assessment Act" (R.S.O. 1937, Chapter 272),

BETWEEN:

T. H. HANCOCK, LIMITED,
Appellant,

—and—

THE CORPORATION OF THE CITY OF TORONTO,
Respondent.

F. A. Campbell, K.C. .... For Appellant
H. E. Manning, K.C. .... For Respondent

This is an appeal from the decision of the County Court Judge, upholding the Assessment by the Court of Revision, on the land being Lots Numbers 1372, 1376 and 1386 on the plan of Symington Avenue, and the buildings erected thereon, and was heard by the Board at its Chambers in the Parliament Buildings in the City of Toronto on Monday, the eleventh day of March, A.D. 1940.

T. H. Hancock, the manager of the appellant company, gave evidence to show that up to the time of the depression this company had done a very large business, which had fallen off very materially. He felt that the falling off of the business was by reason of the fact that most of the building had been carried on during the past few years on the outskirts of Toronto and that by reason of the situation of his property, he was not getting his share of the business. He said that he would sell for less than $50,000.00. He pointed out that he carried insurance of $300,000.00 which was a blanket insurance on the buildings, lumber and machinery. He said that his lumber stocks were about $200,000.00 and that his machinery would be valued at about $100,000.00. He also claimed that the lands were not suitable for a lumber business at the present time, that most of the lumber was brought in by truck, and that the railway sidings did not add much to the value of the property for a lumber business. In cross examination he admitted that he did a gross business of $320,000.00 last year, and that when the subway was built in 1928, he had claimed damages of $250,000.00 and that he had received $150,000.00 damages. This subway took no part of his land but by reason of the subway there is a ramp in front of most of his land. Within the past few years, he had built a box factory at a cost of $10,300.00 and had done other repairs in 1932, 1936 and 1938.

Thos. A. Patterson, the Director of the Mickle-Dyment Lumber Company, pointed out that there was too much competition for the larger lumber companies as outsiders and the smaller lumber companies were selling at less cost, and that none of the lumber companies are doing the business that they formerly did.

J. D. Copeland of the Laidlaw Lumber Company, gave similar testimony, and Harold Walker, a realtor of Toronto, suggested that the property should be divided by the extending of Campbell Avenue south to Bloor Street, and that 2.7 acres west of the westerly limit of such extension would be industrial property and worth perhaps $10,000.00 per acre. He suggested that the appellant could move to Leaside and purchase property which would be as valuable for his business as the present property at $5,000.00 per acre.

A. W. Hutchinson, a realtor of Toronto for 25 years, also suggested the extension of Campbell Avenue to Bloor Street, and that if the part east of the extension were broken up into building lots, the appellant might get more for it. He also suggested that if the westerly part could be sold for commercial or factory purposes, he might get a higher price for it. He valued the property as a residential property at $46,000.00 but had not valued it as an industrial site.

H. A. Wickett, a building contractor of Toronto, valued the building on the property separately. Building No. 9 on the plan, the service station, he valued at $3,-

336.00 for the building and $1500.00 for the tanks and pipes. This is less than the assessed value of this building. His valuations on the other buildings were much higher than the assessments.

V. H. Edwards was called by the respondents and valued the land at $78,803.00 being $18,000.00 per acre. He claimed that the property had more value as an industrial site. He valued the buildings at $56,000.00.

The Board has considered this matter very fully. This business is a going concern, and the business of the appellant has been carried on on this property for a number of years. With the exception of the assessment on Building No. 9 on the plan, the Board must find that the assessment is not higher than the value of the buildings but finds that the assessment on the service station being No. 9 on the plan which assessment is at present $7,000.00, should be reduced by $2,000.00.

The Board has considered the assessment on the land and has also looked at the assessments of the neighbouring properties. In view of the situation of the easterly 2.7 acres, being that part of the appellant's property lying to the east of the extension of the easterly limit of Campbell Avenue, the Board believes that it should be assessed at $14,000.00 per acre. This land, although facing on Bloor Street, is affected by reason of the building of the subway and the ramp to support the land. The Assessment on the balance of the said property should be at the rate of $16,000.00 per acre.

The Board finds that the assessment on the buildings should be reduced by $2,000.00 and that the assessment on 2.7 acres of the land should be reduced by $2,000.00 per acre making a total reduction in the assessment of $7,400.00, and that the roll should be amended accordingly.

Formal Order of the Board will issue upon application of the appellants, and the appellants having paid the sum of $25.00 for the Board's fee on the issuance of the appointment herein, costs in the said sum of $25.00 shall be paid by the respondent to the appellants.

DATED at Toronto this 11th day of April, A.D. 1940.

R. S. COLTER,
Chairman.

D. S. CHARLTON,
Vice-Chairman.

W. P. NEAR,
Commissioner.

P.F. A-9101

IN THE MATTER of Section 84 of "The Assessment Act", (R.S.O. 1937 Chapter 272),

BETWEEN:

MARY E. JOHNSTON,
Appellant,

—and—

THE CORPORATION OF THE CITY OF TORONTO,
Respondent.

A. M. Dewar .... For the Appellant

F. A. Campbell, K.C. .... For the Respondent

JUDGMENT

This is an appeal from the decision of the County Court Judge, upholding the Assessment by the Court of Revision on the lands and buildings in regard to the assessment on Lot 204 Cheritan Avenue and 95-97, 99-101, 103-105, SW pt. Lot 200, S. pt. Lot 202, 107-109 and Pt. Lot 203 Chatsworth Drive, and was heard by the Board at its Chambers in the Parliament Buildings in the City of Toronto, on Tuesday, the fifth day of March, A.D. 1940.

Evidence was presented by A. K. Kingsmill on behalf of the appellant, and by V. H. Edwards on behalf of the respondent. The appellant attempted to show that the lands were assessed for more than their actual value. The city attempted to show that in the assessments the full frontage had not been assessed and asked the Board to assess the properties in accordance with their contention.

After considering the whole matter, the Board finds that neither the buildings nor the land in question are assessed at more than their actual value. With reference to the measurements, the Board refuses to make a finding and suggests that if there has been a mistake made by the assessor in the measurements, that this should be corrected by the assessor on his next assessment. Both the appeal and the cross appeal will therefore be dismissed.

Formal Order of the Board will issue upon application of the respondent and the appellant having paid the sum of $25.00 for the Board's fees on the issuance of the appointment herein, there will be no Order as to costs.

DATED at Toronto this 14th day of March, A.D. 1940.

R. S. COLTER,
Chairman.

D. S. CHARLTON,
Vice-Chairman.

W. P. NEAR,
Commissioner.

P.F. A-9206

IN THE MATTER of Section 84 of "The Assessment Act", (R.S.O. 1937, Chapter 272),

BETWEEN:

NORWICH UNION LIFE INSURANCE SOCIETY,
Appellant,

—and—

THE CORPORATION OF THE CITY OF TORONTO
Respondent.

Harold E. Manning, K.C. .... For the Appellant

F. A. Campbell, K.C. .... For the Respondent

JUDGMENT

This is an appeal by the Norwich Union Life Insurance Society from its assessments on Lots Numbers 46, 48 and 50 on the north side of King Street east in the City of Toronto from the judgment of the County Court Judge who dismissed the appeal of the Appellant from the decision of the Court of Revision, and was heard by the Board at its Chambers in the Parliament Buildings in the City of Toronto on the 22nd day of February, 1940.

Lot Number 50 is 24 feet 3½ inches frontage and 100 feet 2 inches in depth, and the land is assessed at $950.00 per foot with the buildings at $17,000.00. Lots 46 and 48 King Street are lots having 19 feet 8 inches frontage with 100 feet depth, and are assessed at $800.00 per foot frontage and the buildings thereon are assessed at $5,000.00.

The appellants claim that the assessment on both land and buildings is too high and they claim that the buildings add no value whatever to the land. The rental of the buildings in 1939 amounted to $10,194.75, but the appellants claim that the expenses of operating the buildings amounted to $9,900.88 leaving a profit of $293.87.

W. H. Bosley, a witness for the appellant, has managed the building for a number of years and claims that the building on lot 50 is 54 years old and was formerly a bank building. The building at 46 and 48 King Street was an old hotel and the floors of the two buildings are on different levels. He points out that in nine years operation of the two buildings, there has been a loss to the owners of $22,779.18 although there was a small profit of $293.93 in the last year's operation. He says that he has been offering to sell the property and that the largest offer that he received for both buildings was $25,000.00, $3,800.00 of which was to be cash and the balance to be secured by a mortgage on the properties. This offer was refused but the appellant did offer to take the $25,000.00 providing $5,000.00 in cash were paid. The buildings are both fairly well rented. He claims that the buildings add nothing to the value of the land and that the land at 50 King Street is not worth more than $600.00 per foot and the inside property is not worth more than $450.00 per foot. On the appeal before this Board last year Mr. Bosley valued the land at 50 King Street at $800.00 per foot and the inside property at $600.00 per foot, but he says that he was wrong.

Frank McLaughlin also called by the appellant, says that the property is worth about $25,000.00 and pointed out that the Shaw and Begg Building was assessed at only $50,000.00 and that the Union Trust Company Building, a two-storey building which was a better building than the buildings of the appellant, sold for $25,000.00. He also says that the present rentals are fair rentals and that the expenses charged by the appellant against rentals are not out of the way. He further claims that the buildings add nothing to the value of the land.

V. H. Edwards called by the city who has been in the real estate business for a number of years, says that he can not see any change in the value of this property from one year ago. He says that the land at 50 King Street is worth $1250.00 per foot and that the inside land is worth $1050.00 per foot. He claims that the corner building adds $18,620.00 to the value of the land and that the inside building adds $5,125.00 to the value of the land.

H. Nixon, the Deputy Assessment Commissioner for Toronto, reviewed the assessments of these properties during the past few years and pointed out that the assessment on the total property was reduced from $154,979.00 in 1932 to $60,810.00 in 1939 or a reduction of 63%, that the land was reduced from $104,929.00 to $38,810.00, and that the buildings were reduced from $50,000.00 in 1932 to $22,000.00.

Mr. Bosley, on being recalled, said that in 1939 the insurance on the buildings was reduced from $90,000.00 to $30,000.00. This was objected to by the owners and after consultation with the owners, the insurance company placed the insurance at $60,000.00, but later this was reduced to $50,000.00, and the insurance on the buildings now remains at $50,000.00.

The assessments on the land seem to be in line with the other assessments on King Street. The north east corner of King and Toronto Streets having a frontage of 23 feet 5 inches and a depth of 81 feet 6 inches, is assessed at $900.00 per foot. The land to the west of the Appellant's property is assessed at $800.00 per foot.

In view of the fact that the rentals from the buildings amounted to $10,194.75 during the year, the Board is unable to find that the buildings do not add any value to the land. The evidence did not show that there had been any depreciation in the value of these buildings since the present assessments were determined by the Board last year, but in view of the fact that it has been shown to the Board that the Williams Building is assessed at $8,000.00, there seems to be a discrepancy in the assessments of the present buildings with the Williams Building. Under all of the circumstances and in considering the evidence placed before the Board, the Board finds that the buildings in question are assessed at too high a figure, and finds that there should be a reduction of $1,000.00 in the assessment of the inside building and $3,000.00 in the assessment of the corner building.

The Board therefore finds:

(1) That the assessment on Lot 50 for the land at $950.00 per foot should be $23,077.00 and the assessment of the building on the said parcel should be $14,000.00.

(2) That the assessment on Lots 46 and 48 for the land at $800.00 per foot should be $15,733.00 and of the building on the said parcel should be $4,000.00.

Formal Order of the Board will issue upon application of the appellant, and the appellant having paid the sum of $25.00, for the Board's fees on the issuance of the appointment herein, there will be no Order as to costs.

DATED at Toronto this 14th day of March, A.D. 1940.

R. S. COLTER,
Chairman.

D. S. CHARLTON,
Vice-Chairman,

W. P. NEAR,
Commissioner.

CAPITAL EXPENDITURES

P.F. A-8990

IN THE MATTER of the Application of the City of Toronto, pursuant to Sections 69 and 70 of "The Ontario Municipal Board Act" (R.S.O. 1937 Chapter 60) for an order dispensing with the assent of the electors to the passing of a By-law authorizing the issue of $329,000.00 debentures, the balance required for extending and making additions to the Toronto Waterworks System and empowering the said Corporation to provide moneys to the said amount for the said purposes.

R. C. Baird, Esq. .... For the Applicant
A. M. Dewar, Esq. .... For Property Owners' Association

DECISION OF THE BOARD

This is an application by the Corporation of the City of Toronto authorizing the issue of the debentures in the amount of $329,000.00 required by the Corporation in extending and making additions to the Toronto Waterworks System by Statutes of Ontario, 1925, Chapter 113.

The City of Toronto was empowered, without submitting the same to the electors qualified to vote on money By-laws, to pass by-laws for the issue of thirty year serial debentures to an amount not exceeding $14,000,000.00 to raise money for extending and making additions to the Toronto Waterworks System. From time to time debentures were issued during the following years for this purpose but in the sale of the debentures it was found that the interest rate was too low to provide the full amount of the debentures, and that in the sale of those debentures it is found that there is a deficiency of $256,773.87 and that the sale expenses, printing of the debentures, legal opinions, etc. cost $20,898.49 and it was further found that in completing the said works there was an extra cost of $51,327.64 incurred, the said three amounts mentioned totalling $329,000.00, and the City of Toronto now applies to the Board to dispense with the vote of the ratepayers and that the issue of the debentures for the said amount be authorized.

The motion was heard by the Chairman and he advised that he would report favourably to the other members of the Board. The Chairman has now reported to the other Members of the Board who have considered the matter, and the Board finds that an Order should be issued that the application be granted dispensing with the assent of the electors to the passing of the said By-law.

DATED at Toronto, this 14th day of August, A.D. 1940. .

R. S. COLTER,
Chairman.

W. P. NEAR,
Vice-Chairman

ALAN VAN EVERY
Member.

P.F. A-9200

IN THE MATTER of the application of the Corporation of the City of Toronto pursuant to Sections 69 and 70 of the Ontario Municipal Board Act for authority to dispense with the vote of the electors with respect to the construction of a new sewage treatment plant at an estimated cost of $5,600,000.00 and for an order empowering the said Corporation to authorize, proceed with and provide moneys for the said work.

C. M. Colquhoun, Esq., K.C., and
R. C. Baird, Esq.. Counsel for the Applicant

DECISION OF THE BOARD

This was an application:

(1) To dispense with a vote of the ratepayers of the City of Toronto pursuant to the Board's powers contained in Section 69 of The Ontario Municipal Board Act, and

(2) For approval of the undertaking of a capital expenditure in the sum of $5,600,000.00 as required by Section 70 of The Ontario Municipal Board Act.

The applications were presented by the City Solicitor and the Mayor and Members of the Board of Control spoke in support thereof. No opposition to the project was voiced at the hearing, notice of which had been published in The Globe and Mail, Toronto Star, and Telegram on the 17th day of February, A.D. 1940.

With regard to the application to dispense with a vote, the Board is granting the same. The matter in substance was approved by a vote on the question by the ratepayers and it is acknowledged by all parties that the present application is substantially of a technical nature.

With regard to the matter of approving the capital expenditure, the Board is satisfied that the expenditure is a necessary one, after perusing the available technical reports and hearing evidence tendered by the elected representatives of the city. Accordingly, the Board's Order of approval will issue as of this date.

The contentious matter at the hearing was with regard to the term of debentures to be issued. The Board had suggested in a letter to the City of February 12th, that it should consider a term of ten years for the debentures having in mind the fact that the debentures would be issued from time to time over a period of four years or five years, which would result in a fifteen year period of repayment, and having in mind also the fact that the approval of the Department of Health to this work was subject to the condition that the final stage of the complete treatment plant will be undertaken within four years of the completion of the first stage. The whole cost of the two stages is estimated to be $9,499,000.00 so that the debentures for the completed work would likely spread the repayment over a total period of 30 years.

Mr. Colquhoun argued that a ten year term would necessitate a tax rate which could not be borne by the ratepayers. From the figures given to the Board by those representing the city on the application, it is shown that

(1) For a ten year term, the interest would amount to $980,000.00.

(2) For a twenty year term, the interest would amount to $2,280,000.00.

(3) For a thirty year term, the interest would amount to $4,115,470.00.

and that the corresponding annual levies covering both principal and interest would be as follows:

$658,000.00 for ten years,
$394,000.00 for twenty years, and
$324,000.00 for thirty years.

With regard to the ten year term, the Board agrees with counsel for the applicant that the annual charges to cover principal and interest would be unduly high. The members of the Board are convinced, however, that the proper term for the debentures is twenty years having in mind that while it is true the annual charges necessary to meet such debentures would exceed the charges necessary to meet thirty year debentures by $70,000.00 a year, that a saving in interest amounting to $1,835,470.00 can be effected if the 20 year term is adopted.

The Board realizes that debentures for the payment for works will be issued from time to time over a period of perhaps four years, and the Board approves of a term of twenty years for each of the successive issues in a total amount of $5,600,000.00

With regard to the question of the Board's fee on the application, if the usual tariff were followed the fee payable would, in the Board's opinion, be excessive. Having regard to all the circumstances the Board fixes its fee at $1,000.00. The formal Order of the Board will issue upon the request of the applicant and upon payment of the Board's fee.

DATED at Toronto this 28th day of February, A.D. 1940.

R. S. COLTER,
Chairman.

D. S. CHARLTON,
Vice-Chairman.

W. P. NEAR,
Commissioner

CERTIFICATE OF PUBLIC NECESSITY AND CONVENIENCE

P.F. A-8396-a

Tuesday, the 16th day of April, 1940

IN THE MATTER of Section 8 of "The Municipal Franchises Act" (R.S.O. 1937, Chapter 277),

AND IN THE MATTER of a certain By-law Number 14 A.D. 1939 of the Municipal Corporation of the Town of Dunnville,

AND IN THE MATTER of an Application of the Dunn Natural Gas Company, Limited, for a Certificate of Public Convenience and Necessity to construct gas pipes and mains along certain roads of the Corporation of the Town of Dunnville and to supply gas within the limits of the said Corporation to The Monarch Knitting Company, Limited, only pursuant to the said Franchise By-law Number 14 A.D. 1939 of the said Town.

TO:

HIS HONOUR, THE LIEUTENANT-GOVERNOR

of the

PROVINCE OF ONTARIO

CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY

UPON the application of Dunn Natural Gas Company, Limited, for a Certificate of Public Convenience and Necessity, pursuant to Section 5 of The Municipal Franchises Act, R.S.O. 1937, Chapter 277, AND UPON reading the copy of the said By-law Number 14 A.D. 1939 of the Corporation of the Town of Dunnville and the other material filed, and the Chairman of the Board (duly authorized under Section 16 of The Ontario Municipal Board Act, R.S.O. 1937, Chapter 60) having, pursuant to appointment and notice thereof as directed by the Board, heard this application at the Town Hall at the Town of Dunnville on the 1st day of April, 1940, and no one appearing in opposition thereto, and the Report of the said Chairman recommending the granting of the said application having on the said 1st day of April, 1940, been adopted by the Board,

THIS BOARD CERTIFIES that public convenience and necessity require that approval or permission be granted to Dunn Natural Gas Company, Limited to construct gas pipes and mains along certain roads of the Corporation of the Town of Dunnville and to supply gas within the limits of the said Corporation to The Monarch Knitting Company, Limited only, in accordance with the provisions of By-law Number 14 A.D. 1939 of the said Town of Dunnville, in the County of Haldimand, entitled "A By-law to authorize Dunn Natural Gas Company, Limited to lay gas pipes and mains along certain roads of the Corporation of the Town of Dunnville, in the County of Haldimand and Province of Ontario, and to supply gas within the limits of the said Corporation to The Monarch Knitting Company, Limited only", which By-law was finally passed on the 8th day of January, 1940, after having been first approved by the electors of Dunnville on the 4th day of December, 1939, pursuant to the Statute in that behalf.

R. S. COLTER,
Chairman.

P.F. A-9509

Tuesday, the 6th day of August, A.D. 1940

BEFORE: R. S. COLTER, Esq., K.C., Chairman, and W. P. NEAR, Esq., B.A., Sc., Commissioner.	IN THE MATTER of "The Municipal Franchises Act, R.S.O. 1937, Chapter 277", IN THE MATTER of By-law Number 1346 of the County of Elgin, By-law Number 1289 of the Township of Yarmouth, By-law Number 1347 of the Township of Malahide and By-law Number 1043 of the Township of Westminster; AND IN THE MATTER of an application by Union Gas Company of Canada, Limited, for a Certificate of Public Convenience and Necessity, pursuant to Section 8 of the Municipal Franchises Act.

TO:

HIS HONOUR, THE LIEUTENANT GOVERNOR

of the

PROVINCE OF ONTARIO

CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY

UPON THE APPLICATION of Union Gas Company of Canada, Limited, for a Certificate of Public Convenience and Necessity pursuant to Section 8 of "The Municipal Franchises Act, 1937," made on the 19th day of July, 1940, at the Council Chamber in the City of St. Thomas, in the presence of Counsel for the said Company, no one appearing for the County of Elgin or for the Townships of Yarmouth, Malahide or Westminster, although duly served with notice of the appointment (as appears by Affidavit of Edna Primeau, filed and upon hearing what was alleged by Counsel aforesaid;

THIS BOARD CERTIFIES that public convenience and necessity require that approval or permission be granted to the Union Gas Company of Canada, Limited, to construct works to supply, and to supply, natural gas in the Townships of Yarmouth, Malahide, Westminster, and in the County of Elgin, to persons whose land abuts on highways along or across which gas is being carried or conveyed from the wells of the Union Gas Company of Canada, Limited, in the Township of Malahide, to the City of London, or to persons whose land lies within such limits as the Council of any of said Townships may by by-law or by by-laws passed from time to time determine should be supplied with such service.

PAYMENT of the Board's fee on this application, pursuant to R.S.O. 1937, C. 60, s. 104 and s. 107 (re-enacted by S.O. 1939, C. 47, s. 26 (3)), in the sum of $20.00 is hereby acknowledged and confirmed.

R. S. COLTER,
Chairman.

DIRECT RELIEF—FUNDING A PORTION OF

IN THE MATTER of the application of the Corporation of the City of Toronto for an Order of The Ontario Municipal Board approving of the undertaking of a capital expenditure for Direct Relief for the year 1940, amounting to a maximum of $646,000.00 which is the estimated amount exclusive of administration cost and cost of items not admittable of government rebate of the Corporation's share of the cost of Direct Relief in excess of $500,000.00 for the year 1940.

DECISION OF THE BOARD

THE CITY OF TORONTO has applied to the Board for approval of the funding of $646,000.00 being the estimated amount in excess of $500,000.00 of the Corporation's share of the cost of Direct Relief for the year 1940. For some years past the City has budgeted currently for $600,000.00 for Relief purposes exclusive of administration costs and has been allowed by the Board to borrow by way of debentures the balance of the current Relief costs.

The Board's policy with regard to borrowing money on debentures to pay for the cost of Relief has been to require all Municipalities to increase the annual levy in the tax rate and to shorten the debenture term so that at the earliest date possible all Relief moneys shall be levied for in the year in which they are expended.

It is noted that the debenture charges to be levied for in 1940 covering former Relief expenditures, as compared with those necessary in 1939, dropped from $2,572,019.00 to $1,958,656.00.

The Board has considered the matter fully and feels in view of the circumstances it would be a backward step to reduce the amount to be placed in the current levy of the City of Toronto to meet its share of the estimated expenditure for relief in 1940, and accordingly the Board would not be prepared to approve of the items set out above, namely, $500,000.00 to be placed on the current budget and $646,000.00 to be borrowed. The Board is prepared, however, to issue an Order of approval as of this date under "The Unemployment Relief Act" permitting an issue of debentures for the City of Toronto for 1940 in the sum of $546,000.00, the term of the debentures to be two years. This would necessitate the City placing in its current estimates the sum of $600,000.00 exclusive of administration costs, the same sum which has been placed in the said estimates heretofore.

DATED at Toronto this 23rd day of February, A.D. 1940.

R. S. COLTER,
Chairman.

D. S. CHARLTON,
Vice-Chairman.

W. P. NEAR,
Commissioner.

DISPENSING WITH VOTE OF ELECTORS

P.F. A-9728

Tuesday, the 29th Day of October, A.D. 1940

BEFORE:

R. S. COLTER, Esq.,
Chairman,

W. P. NEAR, Esq., B.A., Sc.,
Vice-Chairman, and

ALAN VanEVERY, Esq.
B.A., Member

IN THE MATTER of Section 69, "The Ontario Municipal Board Act" (R.S.O. 1937, Ch. 60)

AND IN THE MATTER of a certain By-law of the Council of the City of Fort William providing that the N. M. Paterson Company, Limited and all other elevator companies at present operating in the City of Fort William, who are constructing or who may embark on the construction of what could be known as distress storage for use in the present war emergency, be granted a fixed rate of taxation equal to $500.00 per calendar year per million bushels capacity, providing that after the war is over the usual business assessment be levied against such building, when in actual use.

AND IN THE MATTER of an application by the Corporation of the City of Fort William to dispense with a vote of the electors in regard to the said fixed assessment.

This application having come on before W. P. Near, Vice-Chairman of the Board, and Mr. Alan VanEvery, Member, both duly authorized under section 13 of "The Ontario Municipal Board Act," at a public hearing on Monday, the 28th day of October, 1940, after notice thereof having been given as directed by the Board, in the presence of counsel for N. M. Paterson Company, Limited, no one having appeared for the applicant or in opposition, upon consideration of what was alleged by counsel aforesaid and of the material filed and the report of the Vice-Chairman and Member recommending the granting of the application having this day been filed with and approved by the Board as the basis for this Order and the Board being satisfied after due enquiry that the assent of the electors to the proposed Fixed Assessment By-law may, under the circumstances, properly be dispensed with;

1. The Board, by the unanimous decision of all members thereof, hereby declares and directs, pursuant to Section 69 of "The Ontario Municipal Board Act" that the assent of the electors of the City of Fort William, or those qualified to vote on money By-laws, to the passing by the Council of the Corporation of the said City of a By-law intituled:

> "A By-law to authorize a fixed assessment to N. M. Paterson and Company, Limited, and other Grain Elevators in connection with distress grain storage construction during the present war."

shall not be requisite to be obtained, notwithstanding the provision of any general or special Act.

PAYMENT of the Board's fee on this application, pursuant to "The Ontario Municipal Board Act", R.S.O. 1937, Chapter 60, sections 104 and 107, re-enacted by Statutes of Ontario, 1939, Ch. 47, section 26, ss. 3, in the sum of $25.00 is hereby acknowledged and confirmed.

R. S. COLTER,
Chairman.

RELIEF FROM RE-BUILDING OF BRIDGE

P.F. A-9274

IN THE MATTER of Section 480, subsection (9) of "The Municipal Act", and

IN THE MATTER of an application by the Corporation of the Township of Adelaide for relief from its obligation to rebuild the bridge on road used in lieu of Town Line running easterly from Highway No. 81 to the junction of Millwood Road in the Township of Adelaide and Head Street in the Town of Strathroy.

COUNSEL:	J. G. Logan	For certain Property Owners
	Ian MacRae	For the Town of Strathroy

BOARD'S DECISION

This is an application by the Township of Adelaide in the County of Middlesex pursuant to the above legislation asking that the township be relieved of any duty which it may be subject to to rebuild a bridge on the road used in lieu of the town line running east from Highway No. 81 to the junction of Millwood Road to Head Street in the Town of Strathroy.

The application was heard by the Chairman and Vice-Chairman at the Town Hall, Strathroy, on the 25th day of April, 1940. Ambrose Topping, Clerk of the Township, and H. Currie, Reeve, outlined the reasons for the application, namely, that in their opinion it would be a saving of expense if the bridge did not have to be built, the same having been washed out by a flood.

Two property owners, Shannon and Rose, gave evidence to the effect that they would be adversely affected both in the matter of the use and value of their lands should the bridge be not replaced.

Evidence before the Board varied as to the cost of the bridge from $2700.00 to $1800.00 and it was further pointed out that should the bridge come up to certain specifications, a grant could be obtained from the Department of Highways. The Board was further informed that there was a question of whether Strathroy would be contributing or not, but the question of whether the Town of Strathroy had any duty to contribute was not before the Board at the hearing.

After consideration of all of the evidence, the Board has come to the conclusion that the circumstances do not warrant the Board exercising its discretion to relieve the Township of Adelaide of any duty which it may have to rebuild the said bridge. In the opinion of the members of the Board, the saving to the Township would be negligible taking into consideration the contributions from other sources and payment of compensation to affected property owners. Accordingly the application must be dismissed.

The Township of Adelaide has paid the Board's fee of $25.00 and there will be no further order as to costs.

DATED at Toronto this 15th day of May, A.D. 1940.

R. S. COLTER,
Chairman.

D. S. CHARLTON,
Vice-Chairman.

W. P. NEAR,
Commissioner.

ORDERS OF THE BOARD

ORDERS ISSUED BY THE BOARD UNDER SECTION 70 OF "THE ONTARIO MUNICIPAL BOARD ACT" (R.S.O. 1937, CHAPTER 60) APPROVING OF THE UNDERTAKING OF CAPITAL EXPENDITURES

NOTE: Where approval granted under additional legislation, applications marked as follows:

"THE LOCAL IMPROVEMENT ACT"

(a) Section 8	Approval of undertaking of work
(b) Section 29 (3)	Assessment for opening of lane

"THE MUNICIPAL ACT"

(c) Section 297 (5)	Approval of extension of time to pass debenture by-law
(d) Section 310	Approval of interest decrease
(e) Section 315 (2)	Approval of further debt and levies
(f) Section 407 (2)	Approval of By-law
(g) Section 480 (9) and (10)	Relief from rebuilding of bridge
(h) Section 502 (2)	Approval of opening of narrow highway

"THE ONTARIO MUNICIPAL BOARD ACT"

(i) Section 49	Amendment of Board's Order
(j) Section 59 (d)	Approval of floating indebtedness
(k) Section 59 (dd)	Approval of retirement of unmatured debentures
(l) Section 64 (Part IV)	Validation of Debenture By-laws
(m) Section 69	Authority to dispense with vote of electors

"THE PUBLIC HEALTH ACT"

(n) Section 101 (11)	Approval of sewage disposal works

"THE UNEMPLOYMENT RELIEF ACT"

(o) Section 7	Approval of works under

Additional Legislation	Municipality	Purpose	Amount	Procedure File
	Aldborough, Township of	Repair and improvement of "No. 2" Drain	2,313.20	A-9760
	Aldborough, Township of	Improving and extending "Wright" Drain	1,196.00	A-9793
(j)	Almonte, Town of	Floating indebtedness	2,000.00	A-9360
	Amaranth, Township of	Construction of "Seventh Line" Drain	303.80	A-9181
(j)	Amherstburg, Town of	Floating indebtedness	18,317.63	A-9829
	Ancaster, Township of	Watermain (including hydrants and valves) Tweedsmuir Ave.	1,890.60	A-9205
(l)	Anson & Hindon, Twps. of	Erection and equipment of new school, U.S.S. No. 1 Anson, No. 6 Minden and No. 8 Luterworth	15,000.00	A-9193
(l)	Arnprior, Town of	Sidewalk, Edward St., Local Improvement (Petition)	900.00	A-9426
	Arnprior, Town of	Extension of sewer system along Albert St.	14,900.00	A-9854
	Barrie, Town of	Additional cost of sewage disposal plant	48,000.00	A-8993
(l)	Barton, Township of	Sewer main—Tragina Ave.—Local Improvement (Petition)	8,144.00	A-9441-a
(l)	Barton, Township of	Sewer Main—Cameron Ave.—Local Improvement (Petition)	3,477.50	A-9441-b
(l)	Barton, Township of	Water main—Cameron Ave.—Local Improvement (Petition)	2,158.55	A-9441-c
(l)	Barton, Township of	Sidewalk, East side of Weir St. Local Improvement (Petition)	1,600.00	A-9441-d
(l)	Barton, Township of	Water main, Cameron Ave. Local Improvement (Petition)	1,696.82	A-9574-a
(l)	Barton, Township of	Sewer main, Cameron Ave. Local Improvement (Petition)	3,165.40	A-9574-b
	Barton, Township of	Sidewalk, East side of Cameron Ave. Local Improvement. (Petition)	997.00	A-9803
(f)	Beamsville, Village of	Extensions and improvements to waterworks system	11,000.00	A-9419
	Beatty, Township of	School purposes in P.S.S. No. 2	1,000.00	A-9880
	Belleville, City of	Sidewalk. Bleecher Ave. Local Improvement (Petition)	1,584.00	A-9716
	Bertie, Township of	Purchase of land and construction of Fire Hall	3,500.00	A-9527
(f) (l)	Blenheim, Town of	Extension and improvements to waterworks system	25,000.00	A-9216
(l)	Blezard, Township of	Erection of School House, P.S.S. No. 3	7,000.00	A-9295
(l) (j)	Brantford, City of	Floating indebtedness	62,500.00	A-7388
(e)	Brantford, City of	Sidewalk, east side of Hilda St.	442.50	A-9189
	Brooke, Township of	Repair of "Weidman" Drain	1,214.39	A-9233
	Brooke, Township of	Repair and improvement of "Shultis-Maddock" Drain	450.00	A-9819-a

	Brooke, Township of	Repair of "Tait-McKinley" Drain and extension and "Tait-McKinley" Drain Outlet	570.00	A-9819-b
	Brooke, Township of	Repair of "12th Concession" Drain	1,829.00	A-9819-c
(1)	Brunel, Township of	Erection of school building at Newholm	3,500.00	A-9409
	Camden, Township of	Repair and improvement of "Kirby" Drain	214.72	A-9232
	Camden, Township of	Repair and improvement of "Langford Agreement" Drain	300.00	A-9517-a
	Camden, Township of	Repair and improvement of "Gillies" Drain	389.00	A-9517-b
	Camden, Township of	Repair of "Paul" Drain	1,352.25	A-9517-c
	Camden, Township of	Repair and improvement of "Bedford" Drain	593.00	A-9730
	Caradoc, Township of	Repair of "Marshman" Drain	1,871.00	A-9605
	Carleton, County of	Construction of suburban roads (1940)	18,000.00	A-9348-a
	Carleton, County of	Construction of county roads (1940)	18,000.00	A-9348-b
(1)	Carlow, Township of	Erection of Public School House, S.S. No. 4	3,150.00	A-9297
	Chatham, City of	Concrete sidewalks, Gladstone Ave. and Arnold St. Local Improvements (Petition)	610.00	A-9338
(a)	Chatham, City of	Opening of Elizabeth St., Local Improvement (Initiative)	4,450.00	A-9402
(a)	Chatham, City of	Concrete sidewalks, King St. etc. and Asphalt Mulch Surface, Park St. Local Improvements (Initiative)	7,004.00	A-9411
(a)	Chatham, City of	Sewers, Sidewalk and watermain, Arnold St. &c. Local Improvements (Initiative)	2,823.00	A-9411
	Chatham, City of	Sewer and watermain, Phyllis Ave. Local Improvements (Petition)	900.00	A-9467
	Chatham, City of	Sewer, Park Ave. West. Local Improvement (Petition)	6,000.00	A-9497
	Chatham, City of	Sewer, Delaware Ave and Sidewalk, Lorne Ave.	1,331.00	A-9570-a-b
	Chatham, City of	Sidewalk, Buckingham Ave. and Watermain, Willowmac Ave. Local Improvements (Petition)	1,597.50	A-9707
	Chatham, City of	Sidewalk, Richmond St. Local Improvement (Petition)	1,174.90	A-9775
	Chatham, Township of	Repair of "Pollock" Drain and Extension	1,125.00	A-9839-a
	Chatham, Township of	Repair or improvement of "McVicar" Drain	780.00	A-9839-a-b
	Chatham, Township of	Construction of "Oldershaw" Drain	275.00	A-9839-a-c
	Chatham, Township of	Repair of Town Line Pumping Works	11,920.00	A-9868
(i)(1)	Chesley, Town of	Additional expenditure for addition to and improvement of High School (Board's Order Jan. 27, 1939)	6,500.00	A-7692
	Chesterville, Village of	Highway Purposes	1,800.00	A-9445
(k)(1)	Clarke, Township of	Retirement of unmatured debentures	7,356.50	A-9225

	Colchester, North, Twp. of	Improvement of "8th Concession West Drain ($3,443.47) and Improvement of "Elford Creek" Drain ($494.85)	3,938.32	A-9239-a-b
	Colchester, North, Twp. of	Completion of "Canaan" Drain Outlet	624.90	A-9689
	Colchester, North, Twp. of	Repair of "7th Concession and Snyder Branch" Drain	370.17	A-9770
	Colchester South, Twp. of	Construction of Drain north and south of Highway No. 18A	1,037.00	A-9450
	Cornwall, Town of	Sewer, Sydney St. Local Improvement (Petition)	2,180.00	A-9291
	Cornwall, Town of	Sewer, Cumberland St. Local Improvement (Petition)	1,800.00	A-9552-b
	Cornwall, Town of	Sidewalks, Pitt and Eighth Sts. Local Improvement (Petition)	1,139.44	A-9751-a-b
	Cornwall, Town of	Watermains, Belfort St. and Glebe Rd. Local Improvements (Petition)	9,060.00	A-9849-a-b
	Cornwall, Township of	Improved outlet to Prince Arthur, Louisa and Prince Arthur Sts. sewers (subdivision of Lorneville) Local Improvement	5,700.00	A-9150
(a)(l)	Crowland, Township of	Sanitary sewer, Yonge St. Local Improvement (Petition)	1,571.50	A-9733
(a)(l)	Crowland, Township of	Sewer from City of Welland Sewer to Major St. and Scholfield Ave. Local Improvement (Initiative)	2,230.50	A-9313-a
(l)	Crowland, Township of	Sewer, Wallace Ave. Local Improvement (Petition)	2,071.51	A-9313-b
(l)	Crowland, Township of	Watermain, Wallace Ave.	1,945.85	A-9313-c
(i)(a)(l)	Crowland, Township of	Additional cost of above	821.32	A-9313-a-b-c
	Delaware, Township of	Cleaning and repairing open portion of the "Munro Creek" Municipal Drain	605.00	A-9740-a
	Delaware, Township of	Repair of "Government Drain No. 2"	1,413.21	A-9740-b
(f)(l)	Delhi, Village of	Extensions and improvements to Hydro Electric System	30,000.00	A-9130
(i)	Dover, Township of	Construction of tile, stone or timber drains	100,000.00	A-9253
	Dover, Township of	Repair and improvement of "Cadotte", "Jacks Creek" and "Gowrie" Drain	6,500.00	A-9404
	Dover, Township of	Construction of "Emery" Drain	330.00	A-9553
	Dover, Township of	Repair and improvement of "Gervais Pumping Works" Drain	1,500.00	A-9634
	Dover, Township of	Improvement of part of "Bachand" Drain	510.00	A-9811-a
	Dover, Township of	Repair and improvement of part of "Henderson-Herbert" Drain	1,275.00	A-9811-b
	Dover, Township of	Corporation's share of cost of repair of the Townline Pumping Works in Township of Chatham	280.00	A-9846
	Dover, Township of	Construction of "Myers Relief" Drain	700.00	A-9873

	Dowling, Township of	Erection of School House P.S.S. No. 1	2,000.00	A-9721
	Dresden, Town of	Construction of water line on Holden St. and Water St. Local Improvement (on Petition)	1,430.00	A-9815
	Drury, Denison & Graham, United Townships of	Construction of School, Naughton S.S. No. 5	5,000.00	A-9539
	Dundas, Town of	Repairs to heating system in Public School Building	2,000.00	A-9773
(1)	Dunnville, Town of	Completion of High School extension	7,000.00	A-7430
	Dunwich, Township of	Street lighting, Village of Wallacetown	1,003.20	A-9655
	Dunwich, Township of	Construction of "Blue-McFarlane" Drain	1,195.00	A-9771-a
	Dunwich, Township of	Repair of "McPhedran" Drain	378.72	A-9771-b
	Dunwich, Township of	Repair of "Gillies" Drain	259.64	A-9812
	Dunwich, Township of	Construction of "Keiller" Drain	310.00	A-9872
	East Oxford	Cleaning out of a portion of "Elliott" Drain	380.48	A-9628
(a)	East York, Township of	Construction of Local Improvements—Sewer, O'Connor Drive ($4,320.75) and watermain, O'Connor ($3,618.56)	7,939.31	A-9146-a-b
(1)	Edwardsburg, Township of	Construction of "Bruce-Goodin" Drain	771.74	A-7114
	Ekfrid, Township of	Repair and improvement of "W. McDonald" Drain	853.00	A-9896
	Eldon, Township of	Tile Drainage Loan purpose (By-law No. 195)	2,000.00	A-9412
	Ellice, Township of	Improvement of "Kenny" Drain	1,759.75	A-9738-a
	Ellice, Township of	Construction of "Nowack" Drain	1,951.00	A-9738-b
	Ellice, Township of	Improvement of "Smith" Drain	1,406.20	A-9738-c
	Ellice, Township of	Repair of "Thiel" Drain in Tp. Fullarton	263.66	A-9802
	Ellice, Township of	Proportion of cost to be assumed by Township for repair and improvement of "The Boyle Drain and South Maitland Improvement" constructed by Tp. of Elma	1,621.60	A-9529
	Elma, Township of	Repair of "Logan Maitland" Drain	679.80	A-9662-a
	Elma, Township of	Repair and improvement of "Murray" Drain	1,890.50	A-9662-b
	Elma, Township of	Corporation's share of cost of repair work on south branch of Maitland River in Tp. of Grey	4,499.62	A-9796-a
	Elma, Township of	Repair of "Weir" Drain	500.00	A-9796-b
	Elma, Township of	Corporation's share of cost or repair work on north branch of Maitland River in Tp. of Grey	8,042.94	A-9861
	Euphemia, Township of	Construction of "Charles McDonald" Drain	215.50	A-9327
	Euphemia, Township of	Construction of the "Murray" Drain	2,250.00	A-9840

(l)	Fenelon, Township of	Completion of School House S.S. No. 8 and purchase of furniture and equipment	6.000.00	A-9462
	Fitzroy, Township of	Construction of tile, stone or timber drains	2,000.00	A-9769
(i)(e)(f)	Forest Hill, Village of	Additional expenditure on works already approved: P.F. A-8487—$305.59 P.F. A-8244— 114.09 P.F. A-5542— 56.76 476.44	476.44	A-8487 A-8244 A-5542
(e)	Forest Hill, Village of	Watermain, Whitmore Ave. Local Improvement (Petition)	1,617.00	A-9167
(e)	Forest Hill, Village of	Storm and Sanitary Sewer, Rosebury Ave. Local Improvement (Petition)	3,800.00	A-9328
(e)	Forest Hill, Village of	Watermain, Eglinton Ave. Local Improvement (Petition)	1,747.00	A-9364
(e)	Forest Hill, Village of	Watermain, Manitou Blvd. Local Improvement (Petition)	1,026.00	A-9481
(i)(e)	Forest Hill, Village of	Purchase of land owned by Concrete Pipe Co.	22,500.00	A-9501-a
(e)	Forest Hill, Village of	Purchase of site, erection of school house and purchase of all equipment and improvement of grounds	150,000.00	A-9501-b
(e)	Forest Hill, Village of	Sidewalk on Eglinton Ave. Local Improvement (Petition)	700.00	A-9607
(e)	Forest Hill, Village of	Permanent pavement on Fairleigh Crescent. Local Improvement (Petition)	8,400.00	A-9608
(e)	Forest Hill, Village of	Watermain in Vesta Drive. Local Improvement (Petition)	5,212.00	A-9609
(e)	Forest Hill, Village of	Watermain, Whitmore Ave. Local Improvement (Petition)	765.00	A-9668
(e)	Forest Hill, Village of	Permanent pavement, Whitmore Ave. Local Improvement (Petition)	12,245.00	A-9708
(e)	Forest Hill, Village of	Pavement, Whitmore Ave. Local Improvement (Petition)	4,600.00	A-9720
(a)(e)	Forest Hill, Village of	Watermain, Old Park Rd. Local Improvement (Initiative)	1,738.00	A-9841
	Fort Frances, Town of	Sidewalks, Second St. &c., Sewer, McKenzie Ave. and Watermain, First St. Local Improvements (Petition)	5,775.00	A-9703
(a)	Fort Frances, Town of	Sidewalks, Third St. &c. Sewer, Victoria Ave. and Watermain Extension, Fourth St. Local Improvements (Initiative)	5,184.00	A-9703
	Fort William, City of	Private Sewer Connections	4,044.39	A-9262-a
	Fort William, City of	Installation of sanitary sinks and closets in connection with private sewer connections	475.70	A-9262-b
	Fort William, City of	Watermain on Gore St.	1,672.25	A-9296
(i)	Fort William, City of	Pavements, Simpson St. &c. Local Improvement (Petition)	13,270.00	A-9331-c
	Fort William, City of	Concrete curb, Hamilton Ave. Local Improvement (Petition)	1,053.00	A-9331-d

(a)(e)	Fort William, City of	Tile sewers, McMillan and Robertson Sts. Local Improvements (Initiative)	25,079.00	A-9371
(a)(e)	Fort William, City of	Pavements, Gore and Brown Sts. Local Improvements (Initiative)	13,243.00	A-9371
(e)	Fort William, City of	Watermain, West Amelia St.	957.36	A-9423
(a)	Fort William, City of	Sewer, Dease St. Local Improvement (Initiative)	3,029.00	A-9469
	Fort William, City of	Asphaltic Roadway, Vickers St. Local Improvement (Petition)	1,060.00	A-9491
	Fort William, City of	Watermain through a leased right-of-way on C.N.R. Mission property	8,465.00	A-9515
(m)	Fort William, City of	Reconstruction of flooring upon the traffic portion of Steel Approaches to Bascule Bridge	18,500.00	A-9597
	Geraldton, Town of	Erection and equipment of High School	6,000.00	A-9804
	Gloucester, Township of	Improvement of "Whillans-Robert Award" Drain	1,149.50	A-9772-e
	Gosfield North, Township of	Repair of "Elford Creek" Drain in Tp. of Colchester North	1,043.00	A-9353
	Gosfield North, Township of	Repair of "Old No. 5" Drain	1,991.15	A-9736
	Gosfield North, Township of	Repairs to "Seventh Concession" and "Snyder" Branch Drains	4,978.00	A-9845
	Grey, Township of	Repairs to "Greig" Drain	521.50	A-9632-a
	Grey, Township of	Maintenance or repair of "Maitland River" and "North Branch" Drain	941.64	A-9633-c
	Grey, Township of	Repair of "Clark" Drain	645.00	A-9864-a
	Grey, Township of	Repair of "Close" Drain	5,294.00	A-9864-b
	Halton, County of	Construction and improvement of highways forming part of County Road System	5,000.00	A-9852
(a)	Hamilton, City of	Curb, Paradise Road. Local Improvement (Initiative)	727.26	A-9052
	Hamilton, City of	Asphalt roadway and drain connections, Paradise Road Local Improvement (Petition)	10,495.00	A-9051
	Hamilton, City of	Pipe sewer, Brucedale Ave. Local Improvement (Petition)	3,115.00	A-9141
	Hamilton, City of	Sidewalk and curb, Kipling Rd. Local Improvement (Petition)	1,852.86	A-9259-a
	Hamilton, City of	Cement walk and curb, Kipling Rd. Local Improvement (Petition)	1,852.86	A-9259-b
	Hamilton, City of	Cement Walk and Curb, Glen Rd. Local Improvement (Petition)	947.59	A-9259-c

	Hamilton, City of	Watermain, Kipling Road	2,260.00	A-9270
	Hamilton, City of	Pipe sewer, Kipling Rd. Local Improvement (Petition)	7,523.00	A-9271
	Hamilton, City of	Watermain, Prince George Ave.	1,097.00	A-9392
	Hamilton, City of	Pipe Sewer, Prince George Ave. Local Improvement (Petition)	1,050.00	A-9391
	Hamilton, City of	Cement sidewalk and curb, Gary Ave. Local Improvement (Petition)	2,369.42	A-9438-a
	Hamilton, City of	Cement sidewalk and curb, Gary Ave. Local Improvement (Petition)	2.304.80	A-9438-b
	Hamilton, City of	Pipe sewer, Gary Avenue	4,872.00	A-9470
	Hamilton, City of	Watermain, Gary Avenue	2,671.00	A-9471
(j)	Hamilton, City of	Floating indebtedness, extensions to Hamilton waterworks during years 1937, 1938 and 1939	86,285.46	A-9465
	Hamilton, City of	Pipe sewer, Brucedale Ave.	9,140.00	A-9521
	Hamilton, City of	Asphalt roadway with drain connections, Sherman Ave. Local Improvement	38,688.00	A-9601
	Hamilton, City of	Pipe sewer, John St.	5,466.00	A-9624
	Hamilton, City of	Storm sewers on Mars Ave., Emerald St. and Douglas St.	21,000.00	A-9691
	Hamilton, City of	Storm sewers on Stanley and Homewood Avenues	58,450.00	A-9692
	Hamilton, City of	Storm sewers on Dundurn St. and MacDonald Ave.	45,436.00	A-9693
	Hamilton, City of	Pipe sewer, East 19th St. Local Improvement (on recommendation of Local Board of Health)	4,000.00	A-9694
	Hamilton, City of	Cement sidewalk and curb, Harmony Ave. Local Improvement (Petition)	553.65	A-9709
	Hamilton, City of	Asphalt roadway with drain connections, Traymore St. Local Improvement (Petition)	11,394.00	A-9710-a
	Hamilton, City of	Cement sidewalk and curb, Traymore St. Local Improvement (Initiative)	2,319.28	A-9710-b
	Hamilton, City of	Cement sidewalk and curb, Weir St. Local Improvement (Petition)	362.32	A-9711
	Hamilton, City of	Grading roadway with drain connections, Strathearne Ave. Local Improvement (Petition)	4,180.00	A-9712
(j)	Hamilton, City of	Floating indebtedness	31,500.00	A-9820
	Harwich, Township of	Construction of "Bates" Drain	941.00	A-9424
	Harwich, Township of	Repair of portion of "Lewis" Drain in Tp. of Raleigh (Corporation's share of cost)	444.72	A-9549-a
	Harwich, Township of	Repair of open portion of "Baird" Drain	495.00	A-9549-b

	Harwich, Township of	Construction of "Bates" Drain	941.00	A-9549-c
	Harwich, Township of	Repair of upper portion of "Proctor" Drain	579.00	A-9549-d
	Harwich, Township of	Construction of "Grist" Drain	523.00	A-9549-e
	Harwich, Township of	Repair of "McCorkell" Drain	402.00	A-9549-f
	Harwich, Township of	Repair and improvement of part of "Mosey" Drain	350.00	A-9549-g
	Harwich, Township of	Repair of "Hunter Gerow" Drain	247.50	A-9756-a
	Harwich, Township of	Repair of "McEachran" Drain	963.00	A-9756-b
	Harwich, Township of	Repair of "Morrison" Drain	781.00	A-9756-c
	Harwich, Township of	Repair of "Mull Branch" Drain and improvement of "Johnston" Drain	833.44	A-9756-d
	Harwich, Township of	Repair of "Walker" Drain	784.00	A-9756-e
(a)	Hespeler, Town of	Sanitary sewers, Millvue St. &c. and Trunk Sewers, Elgin St. &c., Forcemain, George St. Local Improvements (Initiative)	83,000.00	A-9240-a
(n)(l)	Hespeler, Town of	Sewage disposal works	14,000.00	A-9240-b
(a)	Hespeler, Town of	Sewers with necessary private branch drains, Strathcona St. Clarence St. and Guelph Rd. Local Improvements (Initiative)	4,075.00	A-9781
	Hibbert, Township of	Erection of new school house, S.S. No. 6	4,000.00	A-9726
	Howard, Township of	Construction of "Bates" Drain in Tp. of Harwich	480.00	A-9386
	Howard, Township of	Repair and improvement of upper portion of "Scafe" Drain	1,337.00	A-9459
	Howard, Township of	Corporation's share of cost of repair of "Abray" Drain	335.88	A-9542-a
	Howard, Township of	Corporation's share of cost of construction of "Coleman" Drain Howard and Harwich	663.00	A-9542-b
	Howard, Township of	Repair of open portion of "Donoho" Drain	506.00	A-9542-c
	Howard, Township of	Repair and improvement of "Rushton" Drain outlet	552.40	A-9714-a
	Howard, Township of	Construction of "Pfaff" Drain	1,090.00	A-9714-b
	Howard, Township of	Construction of "Purvis" Drain	540.00	A-9759
	Howard, Township of	Repair of "Galbraith" Drain	860.00	A-9836-a
	Howard, Township of	Repair of "Campbell-Leatherdale" Drain	1,578.00	A-9836-b
	Howard, Township of	Repair of "Harrison" Drain Extension	344.41	A-9869
	Howick, Township of	Addition to School House, U.S.S. No. 14	2,300.00	A-9201
	Howick, Township of	Building and equipment of new school house in S.S. 9	3,200.00	A-9658
(m)	Huntsville, Town of	Construction of pavements	6,000.00	A-9335
(e)(f)	Huntsville, Town of	Watermain extensions, Brunel Rd., King William St. and West St.	3,000.00	A-9479

	Iroquois Falls, Munic'ty of	Erection of Public School Building	55,000.00	A-9550
(1)	Keewatin, Town of	Modernizing and improving heating system in Public School Buildings	2,000.00	A-9436
	Kemptville, Village of	Purchase of Fire Engine and equipment	7,000.00	A-9850
	Kingston, City of	Concrete walk, Hill St. Local Improvement (Petition)	199.64	A-9323
	Kingston, City of	Concrete walk, Scott St. Local Improvement (Petition)	83.76	A-9463
	Kingston, City of	Tile Sewer, Napier St. and Durham St. Local Improvement (Petition)	764.74	A-9621-a-b
	Kingston, City of	Concrete Walk, Bartlett St. Local Improvement (Petition)	20.40	A-9664
	Kingston, City of	Tile sewer, Napier St. and concrete walk, Adelaide St. Local Improvements (Petition)	603.19	A-9750-a-b
	Kingston, City of	Purchase of snow removal apparatus	6,400.00	A-9873
	Kitchener, City of	Watermain with all necessary private drain connections, Stirling Ave. Local Improvement (Petition)	6,960.00	A-9156
	Kitchener, City of	Sanitary Sewer, Talbot St., Concrete walk, Doehn St., Grading and Gravelling, Doehn St. and Ornamental Lighting, City Hall Square	1,897.10	A-9398
	Kitchener, City of	Concrete walk, Brock and Lydia Sts., Grading and Gravelling, Dunham Ave. Local Improvements (Petition)	2,269.80	A-9483-a-b-c
(a)	Kitchener, City of	Concrete Walk, Edward St. and Curb and Gutter, Edward St. Local Improvements (Initiative)	792.00	A-9483-d-e
	Kitchener, City of	Sanitary Sewer, Margaret Ave. Local Improvement (Petition)	339.00	A-9519
(f)(1)	Kitchener, City of	Extending or improving municipal electric light and power works	225,000.00	A-9520
	Kitchener, City of	Concrete walk, Stirling Ave. South. Local Improvement (Petition)	1,449.80	A-9659
	Kitchener, City of	Relief Storm Sewer from Victoria Park to intersection of Gaukel and Charles Sts. with branches	55,500.00	A-9863
	Kitchener, City of	Gravelling and oiling Stirling Ave. Local Improvement (Petition)	7,161.00	A-9862
(j)	Lakefield, Village of	Floating indebtedness	3,050.00	A-9875
	Lanark, County of	County's share of Road Construction costs for 1940	15,000.00	A-9563
(j)(1)	Leeds & Grenville, United Counties of	Floating indebtedness	100,000.00	A-9265
(k)(1)	Leamington, Town of	Retirement of unmatured debentures	125,000.00	A-9687
(k)(1)	Leamington, Town of	Retirement of unmatured debentures	127,510.09	A-9704

(k)(l)	Leamington, Town of	Retirement of unmatured debentures	157,819.99	A-9739
(k)(l)	Leamington, Town of	Retirement of unmatured debentures	197,692.26	A-9758
(i)(a)	Leaside, Town of	Additional cost to that approved in Board's Order of June 25th, 1938, for certain Local Improvement Works	133.09	A-7635
(i)(a)	Leaside, Town of	Additional cost to that approved in Board's Order of November 6th, 1939 for certain Local Improvement Works	700.00	A-9014
	Leaside, Town of	Widening of parts of McRae Drive and Laird Drive. Local Improvement (Petition)	500.00	A-9176
(f)(l)	Leaside, Town of	Relief sewer on Millwood Rd.	44,000.00	A-9212
	Leaside, Town of	Sewers, Randolph Rd. &c. Local Improvement (Petition)	21,610.92	A-9325-a
	Leaside, Town of	Watermains, Randolph Rd. &c. Local Improvement (Petition)	13,694.00	A-9325-b
	Leaside, Town of	Gravel Roadway and necessary culverts on Vaughan Ave. Local Improvement (Petition)	450.00	A-9388
	Leaside, Town of	Grading of Sutherland Drive &c. Local Improvements (Petition)	15,215.00	A-9417
(l)	Leaside, Town of	Erection of 8 rooms to constitute 2nd storey of Rolph Rd. Public School	50,000.00	A-9478
	Leaside, Town of	Grading of Kenrae Ave. &c. Local Improvement (Petition)	4,860.00	A-9636
	Leaside, Town of	Concrete sidewalks, Bessborough Drive. Local Improvement (Petition)	4,275.00	A-9652-a
	Leaside, Town of	Sodding of boulevard on both sides of Bessborough Drive Local Improvement (Petition)	2,350.00	A-9652-b
	Leaside, Town of	Watermains, Laird Drive and Rolph Rd. Local Improvements (Petition)	4,553.50	A-9761-a
	Leaside, Town of	Sewers, Laird Drive. Local Improvements (Petition)	4,996.94	A-9761-b
	Leaside, Town of	Sanitary and Storm Sewers, Parkhurst Blvd. &c. Local Improvements (Petition)	101,452.00	A-9762
	Leaside, Town of	Pavement, with gutters and necessary drainage and catch-basins on Esandar Drive. Local Improvement (Petition)	5,600.00	A-9830
(l)	Little Current, Town of	Erection and equipment of Public School	20,000.00	A-9560
	Logan, Township of	Repair of portion of "Bode" Drain	790.00	A-9606
	Logan, Township of	Repair and improvement of "Weir" Drainage Works	1,218.00	A-9645-a
	Logan, Township of	Repair of "Logan Maitland" Drain	594.03	A-9645-b
	Logan, Township of	Repair of "Cook" Drain	675.00	A-9674-a
	Logan, Township of	Repair of "Hagarty" Drain and Branch	1,125.00	A-9674-b

	London, City of	Cement Curb and Gutter, St. George St. East. Local Improvement (Petition)	156.52	A-9329
	London, City of	Cement walks, South Terrence St. &c. Local Improvements (Petition)	1,136.19	A-9428
	London, City of	Cement Walks, Julien St. &c. Local Improvements (Petition)	2,409.68	A-9492
	London, City of	Cement Walks, W. Ashland Ave. and South Vauxhall St., Curb and Gutter N. Mabel St. and private drain connection, 42 Logan Ave. Local Improvements (Petition)	3,217.64	A-9528-a-d
	London, City of	Curbs and Gutters E. and W. Balmoral St., Cement Walks, E. and W. Balmoral St. Local Improvement (Petition)	1,766.69	A-9545
	London, City of	Sanitary Sewer, Grosvenor St. Local Improvement (Petition)	6,964.46	A-9564
	London, City of	Curb and Gutter, East Nightingale Ave. and Cement walk, North Dundas St. Local Improvements (Petition)	806.96	A-9575-a-b
	London, City of	Cement Curb and Gutter, East Wharncliffe Rd. N. and cement walk, N. Alexandra St. Local Improvements (Petition)	913.32	A-9663-a-b
	London, City of	Sanitary Sewer, Marley Place. Local Improvement	4,539.95	A-9614
	London, City of	Curbs and Gutters, E. and W. Nightingale Ave. and E. Burwell St., Cement Walk, E. Trevithen St. Local Improvement (Petition)	1,962.28	A-9706
(a)	London, City of	Cement walk on North York St. Local Improvement (Initiative)	119.75	A-9808
	London, City of	Sanitary Sewer, King St. and Cement Walks, West Trevithen St. Local Improvements (Petition)	1,614.37	A-9809-a-b-c
	London, City of	Curb and Gutter, E. Oak St. Local Improvement (Petition)	1,493.69	A-9867-a
		Curb & Gutter, W. Oak St. Local Improvement (Petition)	1,514.64	A-9867-b
	London, Township of	Watermain, Ebworth Ave. Local Improvement (Petition)	2,354.41	A-9332
(a)	London, Township of	Watermains, Patricia Ave. &c. Local Improvement (Initiative)	5,313.00	A-9698
	London, Township of	Watermain, Huron St. Local Improvement (Petition)	558.00	A-9859
	Maidstone, Township of	Repair of "Fifth Concession Drain and Brady" Drain outlet	6,350.14	A-9272-a
	Maidstone, Township of	Repair of "Little Creek" Drain	1,208.15	A-9272-b
	Maidstone, Township of	Repair of "Wallace Line" Drain	1,846.44	A-9590-a
	Maidstone, Township of	Repair of "Plant" Drain	2,071.01	A-9590-b
	Maidstone, Township of	Repair of "Talbot Road North" Drain	949.60	A-9656-a

	Maidstone, Township of	Repair of "Hogan" Drain	598.45	A-9656-b
	Maidstone, Township of	Repair of "Tenth Concession" Drain	1,185.66	A-9749-a
	Maidstone, Township of	Repair of "Roath" Drain	633.00	A-9749-b
	Maidstone, Township of	Repair of "Tenth Concession" Drain	1,185.66	A-9749-a
	Malahide, Township of	Reconstruction of "Harmon" Drain	1,831.00	A-9468
	Malahide, Township of	Repair of "Staley" Drain	2,518.00	A-9583
	Malahide, Township of	Reconstruction of "Harmon" Drain	1,830.00	A-9785-a
	Malahide, Township of	Construction of "Mount Salem" Drain	746.00	A-9785-b
	McKillop, Township of	Improvement of "O'Rouke" Drain	1,338.00	A-9347
(i) (1)	McKim, Township of	Construction of one-room addition to school, P.S.S No. 4, $5,000.00 and further expenditure of $2,000.00 therefor	7,000.00	A-9384
(1)	McMurrich, Township of	Purchase of necessary equipment for Public and Continuation School, U.S.S. No. 1, Twps. of McMurrich and Ryerson	3.300.00	A-9582-a-b
	Mersea, Township of	Repair and improvement of "Robert Anderson" Drain and Branch	526.00	A-9512
	Mersea, Township of	Repair and Improvement of "Silver Creek" Drain	4,180.00	A-9571-a
	Mersea, Township of	Repair and Improvement of "West Branch of Eleventh Concession Road" Drain and outlet	952.00	A-9571-b
	Mersea, Township of	Repair and Improvement of "West Marsh" Drainage System	3,785.35	A-9618-a
	Mersea, Township of	Repair and Improvement of "11th Concession Branch" of East Reid Drain	1,015.00	A-9618-b
	Mersea, Township of	Repair and Improvement of "Stevenson" Drain	1,170.00	A-9618-c
	Mersea, Township of	Repair and Improvement of outlet portion of "Coulson" and "Sturgeon Creek" Drains	1,267.00	A-9702
	Mersea, Township of	Repair of "Wilkinson-Shilson" Drain	2,049.00	A-9744
	Middleton, Township of	Repair of: Tisdale Drain .... 300.30 Mills & S. Norwich Drain 403.69 Wallace Marsh Drain .... 613.39 Nelson Mills Drain .... 819.24 Big Marsh Drain 384.98	2,521.60	A-9559
	Minto, Township of	Construction of "Warren Champ" Drain	3,538.51	A-9281
	Moore, Township of	Repair and Improvement of "Scott" Drain	992.00	A-9776
	Moore, Township of	Repair and Improvement of "Allingham" Drain	1,315.00	A-9848-a
	Moore, Township of	Improvement of "Campbell" Drain	824.00	A-9848-b
	Mornington, Township of	Repair of "Boyle" Drain and Maitland River Improvement	1,373.37	A-9642

	Morrisburg, Village of	Repairs and Improvements (installing toilets) in Public School	1,300.00	A-9373
	Mosa, Township of	Repair of "Roycraft-Winship" Drain	416.00	A-9199-a
	Mosa, Township of	Repair of "Frederick Marsh" Drain	355.50	A-9199-b
	Mosa, Township of	Repair of westerly end of Government Drain 5 and 6 in Township of Mosa and Village of Newbury	235.50	A-9203
	Mosa, Township of	Assessment of Township in respect to improvement of "Fansher Creek" Drain made by Township of Euphemia	216.00	A-9312
	Neebing, Municipality of	Construction and furnishing of Public School, S.S. No. 1	17,500.00	A-9886
(1)	Newcastle, Village of	Fire Protection purposes	5,500.00	A-9368
(f)(i)	Newmarket, Town of	Additional expenditure to that allowed by Board's Order of August 14th, 1939 for permanent improvements to Electric Light System	1,000.00	A-8765
	New Toronto, Town of	Addition to Public Library Building	5,000.00	A-9387
(1)	Nipigon, Township of	Tile Sewers on Hudson and 5th Streets. Local Improvements (Petition)	1,839.43	A-9339
(1)	Nipigon, Township of	Concrete Sidewalks, Railway St. &c. Local Improvements (Petition)	4,324.90	A-9359
(1)	Noble, Township of (unorganized) Board of Trustees of Public School Section No. 1	Repairs to School Building, P.S.S. No. 1	1,900.00	A-9461
(1)	North Bay, City of	Purchase of Electrical Distribution System and business known as the "Electrical Distribution System of North Bay"	275,000.00	A-9418
	North Dorchester, Twp. of	Repair of "Longfield" Municipal Drain	350.50	A-9322
	North Monaghan, Twp. of	Sidewalk, King George St. Local Improvement (Petition)	1,700.00	A-9493
	North York, Township of	Sewers and Watermains, Haddington Ave. &c. Local Improvements (Petition)	12,615.33	A-8733
	North York, Township of	Black base pavements, Elm Road &c. Local Improvements (Petition)	13,250.00	A-8783-f-g-k-b
(1)	North York, Township of	Sanitary Sewers, Ridley Blvd. and Watermain. Local Improvement (Petition)	4,407.83	A-9227
	North York, Township of	Pavement, Douglas Ave. Local Improvement (Petition)	3,088.00	A-9147
(1)	North York, Township of	Concrete Sidewalk with Curb, Brookdale Ave. Local Improvement (Petition)	1,332.00	A-9170-a-b
(a)	North York, Township of	Sanitary Sewer, Avenue Road. Local Improvement (Initiative)	8,000.00	A-9288

	North York, Township of	Sewage Pumping Station with necessary pumps and electrical equipment and 8" force main on Avenue Rd.	4,000.00	A-9289
	North York, Township of	Surface pavement, Park Ave. Local Improvement (Petition)	2,000.00	A-9641
	North York, Township of	Water service and sanitary equipment in school building, S.S. No. 12	1,250.00	A-9778
	North York, Township of	Storm sewer and watermain, Park Ave. West. Local Improvements (Petition)	3,097.12	A-9865-a-b
(j)(l)	North York, Township of	Floating Indebtedness	35,000.00	A-9144-a
	Oakville, Town of	Construction by Oakville Water and Light Commission of extension of watermain westerly on Anderson St.	1,200.00	A-9062
(g)(h)	Oil Springs, Village of	Construction of narrow highway and relief from obligation to re-build bridge over Black Creek	1,000.00	A-9696
	Orford, Township of	Repair of McCallum Drain	791.00	A-9218
	Orford, Township of	Change in location of "R. B. Mills" Drain	222.56	A-9556
	Orford, Township of	Repair of "Abray" Drain, Tp. of Howard (Corporation's share of cost)	185.69	A-9616
	Orford, Township of	Repair of "Ellwood" Drain	933.62	A-9661
	Orford, Township of	Repair of "Irvine" Drain	212.00	A-9741-a
	Orford, Township of	Repair of "Highgate" Drain outlet	220.19	A-9741-b
	Orford, Township of	Repair of No. 2 Drain in Tp. of Aldborough (Corporation's share)	92.00	A-9871
(j)(l)	Oshawa, City of	Floating Indebtedness, Provincial Housing Loan	160,000.00	A-9184
(k)(l)	Oshawa, City of	Retirement of unmatured debentures	108,000.00	A-9729-a
(j)(k)(l)	Oshawa, City of	Retirement of unmatured debentures and reduction of certain floating indebtedness	120,000.00	A-9729-b
(i)	Ottawa, City of	Approval of additional capital expenditure to that allowed by Board's Order of November 10th, 1937 for grading of Belvedere Crescent	1,242.00	A-7109
	Ottawa, City of	Sewers, Sherwood Drive and Reid Ave. Local Improvements	10,650.00	A-7794-a
	Ottawa, City of	Sewer, Hutchinson Ave. Local Improvement (recommendation of Local Board of Health)	3,500.00	A-7794-b
	Ottawa, City of	Sewer, Sherwood Drive South	4,830.00	A-7794-c
(o)	Ottawa, City of	Part of Corporation's share of cost of Direct Relief during 1939	151,000.00	A-9286
	Ottawa, City of	Sewer, Huron Ave. Local Improvement (Petition)	200.98	A-9317

	Ottawa, City of	Watermain Extensions, Marlborough and Mann Avenues	2,550.00	A-9318
	Ottawa, City of	Concrete Sidewalk, Marloe Crescent. Local Improvement (Petition)	210.00	A-9352
	Ottawa, City of	Watermains, Reid and Kinnear Avenues	4,500.00	A-9370
	Ottawa, City of	Concrete Sidewalk, Beverley Ave. Local Improvement (Petition)	130.00	A-9397-a
	Ottawa, City of	Concrete Sidewalk, Kent St. Local Improvement (Petition)	660.00	A-9397-b
(a)	Ottawa, City of	Concrete Sidewalks, Sherwood Drive. Local Improvements (initiative)	13,685.00	A-9406
	Ottawa, City of	Sewer, Kinnear St. Local Improvement (recommended by Local Board of Health)	2,650.00	A-9437
(a)	Ottawa, City of	Concrete Sidewalks, Hamilton Ave. and Kenilworth St. Local Improvements (initiative)	2,325.00	A-9444
	Ottawa, City of	Concrete Sidewalks, Clegg and Faraday Sts. Local Improvements (Petition)	1,335.00	A-9482-a-b
	Ottawa, City of	Sewer, Huron Ave. Local Improvement (on recommendation of Local Board of Health)	1,169.00	A-9487
	Ottawa, City of	Sewer, Hamilton Ave. Local Improvement (Petition)	1,110.00	A-9523
	Ottawa, City of	Resurfacing with Asphalt Melgund Ave. Local Improvement	6,837.50	A-9576
(a)	Ottawa, City of	Sidewalk, Wellington St. Local Improvement (initiative)	300.00	A-9619
	Ottawa, City of	Concrete Sidewalk, Preston St. Local Improvement (Petition)	1,000.00	A-9620
	Ottawa, City of	Sewer, Young St. Local Improvement (Petition)	3,310.00	A-9646
(a)	Ottawa, City of	Concrete Sidewalk, Wellington St. Local Improvement (initiative)	1,170.00	A-9681-a
(a)	Ottawa, City of	Concrete Sidewalks, Belgrave Rd. &c. Local Improvements (initiative)	3,720.00	A-9681-b-f
	Ottawa, City of	Water main, Young St.	1,700.00	A-9682
	Ottawa, City of	Sidewalks, Reid Ave. &c. Local Improvements (Petition)	2,604.00	A-9719-a-c
	Ottawa, City of	Watermain Extension, Woodstock St.	1,200.00	A-9731
	Ottawa, City of	Watermain, Kinnear St.	2,070.00	A-9732
	Ottawa, City of	Sidewalk, Hamilton Ave. Local Improvement (Petition)	118.68	A-9764
	Ottawa, City of	Watermain, Fuller St.	1,800.00	A-9768
(a)	Ottawa, City of	Sidewalk, Reid Ave. Local Improvement (Initiative)	1,950.00	A-9787
	Ottawa, City of	Watermain Extensions, Hutchinson and McFarlane Avenues and Beech St.	7,600.00	A-9817

(a)	Ottawa, City of	Sidewalk, north and south sides of Kinnear Street. Local Improvement (Initiative)	3,600.00	A-9823
	Ottawa, City of	Suburban Road Construction 1940	18,000.00	A-9837
(a)	Ottawa, City of	Concrete Sidewalks, Huron Ave East and West. Local Improvements (Initiative)	1,380.00	A-9856-a-b
	Ottawa. City of	Sewer, Fuller St. Local Improvement (Initiative)	1,750.00	A-9879-a
	Owen Sound, City of	Sewer, Lane shown on Plan 39. Local Improvement (Petition)	677.00	A-9513-a
	Owen Sound, City of	Sidewalk, Eighth St. Local Improvement (Petition)	949.70	A-9513-b
(i)(e)(l)	Palmerston, Town of	Additional amount to that allowed by Board's Order of March 26th, 1939 for High School Building	15,000.00	A-8329
	Paris, Town of	Sidewalk, east and west sides of Ball St. Local Improvement (Petition)	2,200.00	A-9648
	Percy, Township of	Fire Fighting Equipment for Police Village of Warkworth	2,000.00	A-9586
	Peterborough, City of	Construction of bridge across Otonabee River	10,000.00	A-9161
(a)	Peterborough, City of	Tile Pipe Sewer, Kent St. Local Improvement (Initiative)	553.50	A-9162-a
(a)	Peterborough, City of	Sewers, Pine and Maple Sts. Local Improvements (Initiative)	1,099.75	A-9162-b
(a)	Peterborough, City of	Concrete Sidewalks, Pine St. &c. Local Improvements (Initiative)	4,260.87	A-9551-a
(a)	Peterborough, City of	Tile pipe sewers, Dublin St. and Clifton Rd. Local Improvements (Initiative)	1,913.50	A-9551-b
(k)	Peterborough, City of	Retirement of unmatured debentures	251,000.00	A-9511
(m)	Peterborough, City of	Enlargement of Nicholls Hospital	10,000.00	A-9767
	Peterborough, City of	Works to be undertaken by the Peterborough Utilities Commission	100,000.00	A-9791
	Pickering, Township of	Repairing and reconditioning the school-house, P.S.S. No. 2	3,000.00	A-9251
(i)(a)	Port Arthur, City of	Additional expenditure to that allowed by Board's Order of May 8th, 1939. Local Improvements	2,125.45	A-8439
(i)(l)	Port Arthur, City of	Additional Expenditure to that allowed by Board's Order of July 6th, 1939, Sewers, St. George and Van Norman Sts.	843.50	A-8496-a
(i)(l)	Port Arthur, City of	Additional expenditure to that allowed by Board's Order of July 17th, 1939, House sewer connection, 1939	507.16	A-8643
	Port Arthur, City of	Construction and installation of House Sewer Connections during 1940	10,000.00	A-9380

	Port Arthur, City of	Pavement widening, Curbing, concrete sidewalks and Sanitary Sewer, Cumberland St. &c. Local Improvements (Petition)	7,580.00	A-9381-a-e
(a)	Port Arthur, City of	Sewers, Lillian St. &c. and Pavements, Victoria St. &c Local Improvements (Initiative)	77,112.00	A-9382
(a)(e)	Port Credit, Village of	Storm Sewers, Brant Ave. &c. Local Improvements (Initiative)	13,265.00	A-9087
(e)	Point Edward, Village of	Sidewalk, Arthur St. and Curb, Albert St. Local Improvements (Petition)	1,400.00	A-9588-a-b
	Raleigh, Township of	Construction of Tile, Stone and Timber Drains	100,000.00	A-8894
	Raleigh, Township of	Repair, Improvement and maintenance of "Shea" Tile Drain	635.00	A-9252-a
	Raleigh, Township of	Repair, Improvement and maintenance of "McDowell" Drain	465.00	A-9252-b
	Raleigh, Township of	Construction of embankment along River Thames	558.00	A-9267
	Raleigh, Township of	Repair and Improvement of "Deary" Drain	1.794.00	A-9268
	Raleigh, Township of	Repair and Improvement of "Brush" and "Vail" Drain	1,737.00	A-9316-a
	Raleigh, Township of	Repair and Improvement of "Chinnick" Drain outlet	567.00	A-9316-b
	Raleigh, Township of	Repair, improvement and maintenance of "Stewart" Drain	722.00	A-9333-a
	Raleigh, Township of	Repair, improvement and maintenance of "Sandison-Brush" Drain	415.00	A-9333-b
	Raleigh, Township of	Addition to school house, S.S. No. 17	4,000.00	A-9399
	Raleigh, Township of	Repair and improvement of "Hitchcock" Drain	363.00	A-9476
	Raleigh, Township of	Repair of "Millar" Drain	1,437.00	A-9838
	Rayside, Township of	Erection of new school house and purchase of necessary equipment, P.S.S. No. 4	3,000.00	A-9530
(k)(l)	Renfrew, Town of	Retirement of unmatured debentures	30,000.00	A-9599
(e)(l)	Ridgetown, Town of	Erection and equipment of High School	80,000.00	A-9031
(l)	Rockcliffe Park, Village of	Purchase of lands to enlarge and improve present proposed park and civic centre	16,100.00	A-5856
	Rockcliffe Park, Village of	Sewer and Branch, Maple Lane. Local Improvement (Petition)	4,070.77	A-9363
	Rockcliffe Park, Village of	Watermain and Storm Sewer, Buchan Rd. Local Improvements (Petition)	4,082.16	A-9435
	Rockcliffe Park, Village of	Watermain, Carleton St. Local Improvement (Petition)	2,442.50	A-9613
	Rockcliffe Park, Village of	Watermain and Storm Drain, Thorold Rd. Local Improvements (Petition)	5,479.98	A-9673-a

	Rockcliffe Park, Village of	Watermain, Fairview Ave. Local Improvement (Petition)	1,467.40	A-9673-b
	Romney, Township of	Repair and improvement of "Barton" Drain	1.059.00	A-9526
	Romney, Township of	Repair of East Part of "McGregor" Drain	1,235.00	A-9715
	St. Catharines, City of	Tile sewers, Wiley St. and Pleasant Ave., Concrete Sidewalk Hillcrest Ave. Local Improvement (Petition)	556.00	A-9185-a-c
	St. Catharines, City of	Sewers, Queen Mary Drive, &c. Local Improvements (Petition)	8,037.00	A-9279-a-d
(i)	St. Catharines, City of	Additional expenditure to that allowed by Board's Order of March 29th, 1940, Sewer, Welland Ave. W.	1,738.00	A-9279-c
	St. Catharines, City of	Sidewalks, Gardiner Place and Wiley St. Sewer laterals, Queen Mary Drive. Local Improvements (Petition)	2.364.00	A-9389
(a)	St. Catharines, City of	Concrete pavements, curbs and sidewalks, Patrick St. &c. Local Improvements (Initiative)	19,816.90	A-9486
(a)	St. Catharines, City of	Concrete pavements and sidewalks, Blair Crescent, &c. Local Improvements (Initiative)	12,523.00	A-9516
	St. Catharines, City of	Concrete Curb, Welland Ave. and Concrete Sidewalks, Vale Ave. &c. Local Improvements (Petition)	737.00	A-9650
(a)	St. Catharines, City of	Private Drain Connections, Junkin St. &c. Local Improvements (Initiative)	1,294.00	A-9851
	St. Thomas, City of	Curbs, gutters and driveways, Erie St. Local Improvements (Petition)	510.00	A-9344
	St. Thomas, City of	Sanitary Sewer, Talbot St. Local Improvement (on recommendation of Local Board of Health)	2,400.00	A-9362
	St. Thomas, City of	Concrete Sidewalk, Elgin St. Local Improvement (Petition)	75.00	A-9485
(a)	St. Thomas, City of	Asphaltic concrete surface, Elgin St. &c. Local Improvements (Initiative)	11,500.00	A-9555
	St. Thomas, City of	Sidewalk, Locust St. Local Improvement (Petition)	130.00	A-9727
	St. Thomas, City of	Surface of crushed stone and asphaltic road oil, Burrows Ave.; concrete sidewalk, Balaclava St. and lowering of existing concrete sidewalk and reconstructing existing driveway to suit new grades, Flora St. Local Improvements (Petition)	742.00	A-9894-1 & A-9894-2-a-b
	Sandwich South, Twp. of	Repair of "Ninth Line" Drain	721.40	A-9745
	Sarnia, City of	Sidewalk, Watson St. (and curb and gutter). Local Improvements (Petition)	1,635.40	A-9425-a-b
	Sarnia, City of	Sewer, East St. (Pursuant to Mandatory Order of Department (Provincial) of Health)	5,492.52	A-9568

	Sarnia, City of	Sewer, Cecil St. and Maxwell St. (Local Improvement) (Petition)	8,325.20	A-9569
	Sarnia, City of	Concrete curb, Exmouth St. Local Improvement (Petition)	412.16	A-9684
	Sarnia, City of	Addition to Sarnia Collegiate Institute and Technical School	2,500.00	A-9892
	Sarnia, Township of	Repair of "Mandaumin" Drain	595.00	A-9337
	Sarnia, Township of	Repair and Improvement of "Bird" Drain	628.00	A-9713
	Sarnia, Township of	Construction of watermain from Petrolia Waterworks Pumping Station. Local Improvement (Petition)	9,960.80	A-9805
	Shuniah, Municipality of	Erection and equipment of new public school, P.S.S. No. 4, McGregor	6,000.00	A-9535
(l)(e)	Shuniah, Municipalitiy of	Purchase of No. 66 Sawyer Massey Harris Power Grader and attachments	6,350.00	A-9536
(j)	Simcoe, County of	Floating indebtedness	90,000.00	A-9234
(a)	Simcoe, Town of	Sanitary sewers with house connections, Metcalfe St. and Orchard Ave. Local Improvements (Initiative)	2,373.00	A-7944
	Smooth Rock Falls, Town of (Board of Trustees of Roman Catholic Separate School)	Purchase of school house	70,000.00	A-9643
	Sombra, Township of	Construction of "McCreary" Drain	250.00	A-9600
	Sombra, Township of	Installation of water works system in Police Village of Port Lambton	12,600.00	A-9627
	Sombra, Township of	Repair and improvement of "Bowles Gulley" Drain	1,592.00	A-9660-a
	Sombra, Township of	Repair and improvement of "Bailey" Drain	490.00	A-9660-b
	South Dorchester, Twp. of	Repair of the "T. Putnam" Drain	1,622.00	A-9321
	South Dorchester, Twp. of	Amount assessed against lands and roads in the Township for drainage work in Tp. of Yarmouth	194.00	A-9452
	South Grimsby, Twp. of	Extension and improvement of works for distributing electrical power or energy in Police Village of Smithville	8,500.00	A-9587
	Southwold, Township of	Repair of "Barber" Drain	791.00	A-9315-a
	Southwold, Township of	Extension of Jackson No. 1 Drain	845.00	A-9315-b
	Southwold, Township of	Tile Drain, Road allowance between lots 23 and 24, concession 4 and between lot 23, concession 4 and lot 34, N. N. B. T. R.	680.00	A-9639
(c)	Stamford, Township of	Fire Hall, Fire Area No. 2	10,000.00	A-9351
	Stanley. Township of	Improvement of "Stanley Big" Drain and tap drains	8,290.90	A-9422

(a)(i)	Sudbury, City of	Watermains, Whittaker, Haig and Albinson Sts. Local Improvements (Initiative). Additional expenditure to that allowed by Board's Order of Feb. 21st, 1939	3,959.79	A-8272
(a)	Sudbury, City of	Concrete walk, Station St. Local Improvement (Initiative)	3,926.00	A-8554-a
(a)(i)	Sudbury, City of	Sanitary Sewers, Whittaker, Haig and Albinson Sts. Local Improvements (Initiative). Additional expenditure to that allowed by Board's Order of June 21st, 1939	1,314.16	A-8554-b
(a)	Sudbury, City of	Watermain, Copper Cliff Rd. Local Improvement (Initiative)	13.361.52	A-9121
(a)	Sudbury, City of	Watermain, Spruce St. Local Improvement (Initiative)	1,669.74	A-9214
	Sudbury, City of	Watermains, Bond St. &c. Sanitary Sewers, Albinson St. &c. Local Improvements (Petition)	21.389.03	A-9688-a-b
	Sudbury, City of	Storm Drain, Kathleen St. Local Improvement (Petition)	7,355.40	A-9718
(i)	Swansea, Village of	Gravel Road with plank curb, Morningside Ave. Additional expenditure to that allowed by Board's Order of June 10th, 1939	379.41	A-8479
(i)	Swansea, Village of	Gravel Road, Willard Gardens. Additional expenditure to that allowed by Board's Order of August 9th, 1939	59.40	A-8721
	Swansea, Village of	Watermain, South Kingsway. Local Improvement (Petition)	1,014.00	A-9472
	Swansea, Village of	Watermain, South Kingsway. Local Improvement (Petition)	1,556.00	A-9717
(c)	Tarentorus, Township of	Improvement and extension of Electrical System	5,000.00	A-9813
(e)	Teck, Township of	Watermain and sewer, Union School Section No. 2, Twp. of Teck and Lebel	15,000.00	A-9196
(e)	Teck, Township of	Sewers and watermains, Union School Section No. 2, Tps. Teck and Lebel (Mandatory Order of Provincial Department of Health)	64,650.00	A-9203
(j)(e)	Teck, Township of	Floating Indebtedness	26,724.82	A-9825
	Thedford, Village of	Purchase and installation of underground reservoirs, fire engine, apparatus and appliances for fire fighting and fire protection	7,000.00	A-9414
(m)(l)	Thorold, Township of	Fire fighting equipment, Fire Area No. 1	3,600.00	A-9136
(e)	Thorold, Township of	Sewer, Richmond St. Local Improvement (Petition)	843.20	A-9565
(k)(l)	Thorold, Township of	Retirement of unmatured debentures	162,842.33	A-9630
	Thorold, Township of	Watermain, west side of Highway No. 3a. Local Improvement (Petition)	1,150.00	A-9826
	Tilbury North, Twp. of	Repair of "West Townline" Drain	241.00	A-9680

(f)	Tillsonburg, Town of	Additions to Municipal Electrical Transformer Station and Distributing System	10,000.00	A-9172
(f)	Tillsonburg, Town of	Extensions and improvements to Waterworks System	25,224.04	A-9179
(a)(e)	Timmins, Town of	Lane north of Third Ave. Local Improvement (Initiative)	4,000.00	A-7001
(e)	Timmins, Town of	Concrete sidewalks, 1940 Programme of Works	17,946.50	A-9378-a
(e)	Timmins, Town of	Sanitary Sewers, 1940 Programme of Works	16,875.75	A-9378-b
(e)(f)	Timmins, Town of	Storm Sewers, 1940 Programme of Works	6,000.00	A-9378-c
(e)(f)(i)	Timmins, Town of	Watermains, 1940 Programme of Works	28,073.75	A-9378-d
(a)	Timmins, Town of	Opening and construction of streets, Ninth Ave. &c. Local Improvements (Initiative)	10,540.00	A-9807
	Tisdale, Township of	Sewer and watermains, Fern Avenue &c. Local Improvements (Mandatory Order of Provincial Department of Health)	17,000.00	A-9269
	Toronto, City of	Airport purposes	499,000.00	A-8046-a
(i)(m)	Toronto, City of	Additions to waterworks system	329,000.00	A-8990
(b)	Toronto, City of	Pavement and curbing, Walmer Rd. and pavement and sewer on lane first south of Kingston Rd.	6,152.00	A-9180
Sec. 5 (1) of City Toronto Act	Toronto, City of	Development of Algonquin Island	68,580.00	A-7570
	Toronto, City of	Pavement, Merrill Bridge Rd. and Sidewalks, Cleveland St., Briar Hill Ave and Roehampton Ave. Local Improvements	4,158.00	A-9242
	Toronto, City of	Sidewalk, Chatsworth Drive. Local Improvement	554.00	A-9276
(a)	Toronto, City of	Pavement, Applegrove Ave. Local Improvement (Initiative)	5,254.00	A-9319-2
	Toronto, City of	Pavements, Fairfield and Walmer Roads. Local Improvements	18,654.00	A-9320
	Toronto, City of	Pavements, Mallory Gardens and Mann Ave., Sidewalk, Kennedy Ave. and Watermain, Strathgowan Ave. Local Improvements	18,127.00	A-9341
	Toronto, City of	Sidewalks, Fairlawn Ave. and Glendonwynee Rd. Local Improvements	884.00	A-9374
(m)	Toronto, City of	Building Grant to Mercy Hospital for incurables	80,000.00	A-9400
	Toronto, City of	Toronto Harbour Commissioners debentures (guarantee)	625,000.00	A-9403
	Toronto, City of	Sidewalk, King St. E. Local Improvement	216.00	A-9408
	Toronto, City of	Curbing, Mann Ave. Local Improvement	837.00	A-9430

	Toronto, City of	Corporation's share of suburban roads, 1939	27,000.00	A-9431
	Toronto, City of	Corporation's share of construction of suburban roads, 1940	61,000.00	A-9432
	Toronto, City of	Corporation's share of T.T.C. track allowance, pavements, &c. constructed in 1939	50,000.00	A-9433
	Toronto, City of	Corporation's share of T.T.C. track allowance payments, &c. constructed in 1940	56,085.00	A-9434
(b)	Toronto, City of	Pavement and sewer on lane first north of Marchmount Rd. Local Improvements	6,759.00	A-9440
(b)	Toronto, City of	Pavement and sewer on lane first west of Silverthorn Ave. Local Improvements	7,285.00	A-9546
(o)	Toronto, City of	Balance of Corporation's share of cost of 1938 direct relief	504,000.00	A-9591
(m)	Toronto, City of	Sewage treatment plant	5,600,000.00	A-9200
(o)	Toronto, City of	1939 Direct Relief	600,000.00	A-9592
(o)	Toronto, City of	1939 Direct Relief	619,000.00	A-9593
(o)	Toronto, City of	1940 Direct Relief	250,000.00	A-9594
(b)	Toronto, City of	Pavement and sewer on lane first west of Bellair St. and resurfacing pavement, Walmer Road. Local Improvements	13,423.00	A-9622-a-b-c
	Toronto, City of	Pavement, Burnaby Blvd. Local Improvement	3,034.00	A-9675
	Toronto, City of	Revenue watermain, Marjory Ave.	510.00	A-9695
	Toronto, City of	Sidewalk, Banff Rd. Local Improvement	982.00	A-9705-1
(b)(A9705-2-3)	Toronto, City of	Pavement on lane first north of Queen St. E. Sewer and Pavement on lane first north of Dundas St. W. Local Improvements	3,753.00	A-9705-2-3-4
	Toronto, City of	Revenue watermain, Castlewood Rd.	411.55	A-9722
	Toronto, City of	Concrete sidewalk, Burnaby Blvd. Local Improvement	150.00	A-9757
(a)	Toronto, City of	Concrete sidewalk, Victoria St. Local Improvement (Initiative)	595.00	A-9777-2
	Toronto, City of	Sidewalk, Fairlawn Ave. Local Improvement	944.00	A-9801
	Toronto, City of	Watermain, Indian Grove and sidewalks, Glengarry Ave. and Pearl St. Local Improvement	1,543.00	A-9885
(e)	Toronto, Township of	Watermains, Mineola Rd, &c. and meter on Stavebanks Rd. Local Improvements (Petition)	15,164.60	A-9503
(e)	Toronto, Township of	Watermain, Pinewood Trail. Local Improvement (Petition)	2,600.00	A-9784-a
(j)(l)	Trenton, Town of	Floating Indebtedness	40,000.00	A-9372
(d)(l)	Uxbridge, Town of	Domestic Water and Fire Protection	30,000.00	A-9540

(a)	Vaughan, Township of	Draining, grading and graveling Birch St. Local Improvement (Initiative)	700.00	A-9635
	Wallaceburg, Town of	Pavements, Gillard St. &c. Local Improvements (Petition)	15,000.00	A-9800
	Waterloo, Town of	Watermain, Jefferson St. Local Improvement (Petition)	528.00	A-9314
	Waterloo, Town of	Sidewalk, Elmer St. Local Improvement (Petition)	645.00	A-9396
	Waterloo, Town of	Sidewalk, Noecker St. Local Improvement (Petition)	100.00	A-9442
(i)(1)	Waterloo, Township of	Water service pipes, Police Village of Bridgeport. Local Improvement (Petition)	1,150.00	A-9567
	Watford, Village of	Watermain, St. Clair St. Local Improvement (Petition)	904.44	A-9734
	Watford, Village of	Watermain, Huron St. Local Improvement (Petition)	815.50	A-9792
	Westminster, Township of	Outfall sanitary sewer, "South West Section Sewer" pursuant to Mandatory Order of Provincial Dept. of Health	65,855.00	A-9164
	Westminster, Township of	Sanitary Sewer, Whetter Ave. Local Improvement (Petition)	572.68	A-9292
	Westminster, Township of	Combined Sanitary Sewer, Weddington Rd. Local Improvement (Petition)	596.00	A-9379
	Westminster, Township of	Sewer, Springbank Drive. Local Improvement (Petition)	447.15	A-9678
	Westminster, Township of	Erection of school house in S.S. No. 3	49,500.00	A-9415
	Westminster, Township of	Watermain, Cliftonvale Ave. Local Improvement (Petition)	2,602.00	A-9474
	Westminster, Township of	Repair of open portion of "William Marr" and extending same to a sufficient outlet	3,857.00	A-9782
(k)(1)	Weston, Town of	Retirement of unmatured debentures	164,000.00	A-9231
	Woodstock, City of	Sanitary Sewer, South St. Local Improvement (Petition)	243.00	A-9700
	Woodstock, City of	Sanitary Sewer, Oxford St. Local Improvement (Petition)	300.00	A-9737
(a)	Woodstock, City of	Sewers, Delatre St. &c. Local Improvements (Initiative)	3,750.00	A-9780
	Yarmouth, Township of	Construction of "Doyle" Drain extension	862.00	A-9220
	Yarmouth, Township of	Construction of "Neff" Drain	872.00	A-9477
	Yarmouth, Township of	Repair of "Bailey" Drain	1,773.00	A-9633
(a)(e)	York, Township of	Sewers, Riverview Gardens and Bloor St. Local Improvements (Initiative)	2,825.00	A-9134
(a)(e)	York, Township of	Sewer, Runnymede Rd. Local Improvement (Initiative)	992.00	A-9697
(a)(e)	York, Township of	Sewer, Pinehill Crescent. Local Improvement (Initiative)	1,300.00	A-9779
	Zone, Township of	Repair of "Bodkin" Drain	363.20	A-9290-a
	Zone, Township of	Repair of "Harper" Drain and "Monteith Award" Drain	793.17	A-9290-b
	Zone, Township of	Repair of "Dickson" Drain	717.50	A-9290-c

APPROVAL OF BY-LAWS

(Section 407 (2) of "The Municipal Act")

(Capital Expenditures Approved Prior to 1940)

Municipality	By-Law No.	Purpose	Amount	Procedure File
Hamilton, City of	5146	Extensions to Hamilton Water Works for years 1937-1939	157,890.86	A-9821
Ottawa, City of	8817	Constructing, installing and extending water mains, water services and hydrants in connection with water works	56,000.00	A-9211
St. Catharines, City of	4567	Relief sewer on Wiley St.	21,301.00	A-9113
Timmins, Town of	661	Sanitary Sewers on Eighth Ave. and Spruce St.	5,400.00	A-9002

VALIDATION OF DEBENTURE BY-LAWS

(Section 64 of Part IV of "The Municipal Act")

(Where capital expenditure approved prior to 1940)

Municipality	By-Law Number	Purpose	Amount	Procedure File
Arnprior, Town of	1090	Retirement of unmatured debentures	53,700.00	A-9163
Barrie, Town of	1440	Construction of pavements	4,762.00	A-9177
Belleville, City of	3524	Establishing, erecting and maintaining Isolation Hospital	20,000.00	A-8611
Brantford, City of as amended by By-law	2558 2774	Extensions and improvements to General Hospital	100,000.00	A-7387
Carleton, County of	1204	Construction and improvement of County Highways	40,250.00	A-8237-a
Fort William, City of	3718	Local Improvements	61,589.20	A-9350
Kerns, Township of	286	Erection of Public School, U.S.S. No. 3, Kerns and Henwood	3,500.00	A-8991
Kitchener, City of	2716	Local Improvement Works	8,756.30	A-9273-a
Kitchener, City of	2717	Local Improvement Works	7,854.40	A-9273-b
Georgetown, Town of	3924	Surfacing of Maple Ave.	3,062.14	A-8902
Hamilton, City of	5146	Extensions to Waterworks System, 1937-1939	157,890.86	A-9821
Lanark, County of	1163	Construction and improvement of County Highways, 1939	17,500.00	A-8334
Larder Lake, Town of	50	Construction of water system	18,000.00	A-8279
Leaside, Town of	645	Local Improvements	15,709.38	A-9115
Leaside, Town of	653	Local Improvements	66,942.17	A-9194-a
Leaside, Town of	659	Local Improvements	79,804.78	A-9194-b
McKim, Township of	370	Construction of water main	26,885.00	A-8315

Michipicoten, Township of School Board S.S. No. 2, 29, R. 23 of Wawa		Erection Public School	1,100.00	A-9165
North York, Township of	2737	Floating Indebtedness	50,000.00	A-9144
North York, Township of	2758	Construction of sewers	8,537.57	A-9255
North York, Township of	2759	Watermains, Water Areas Nos. 1 and 6	24,470.21	A-9256
North York, Township of	2760	Pavements and sidewalks with curbs	33,240.00	A-9257
Osgoode, Township of	7	Construction of "Devereaux Diversion" Drain	6,160.00	A-8672
Ottawa, City of	8835	Direct Relief, 1939	151,000.00	A-9458-a
Ottawa, City of	8706	Reconstruction of fire alarm system and construction of central building	225,000.00	A-9458-b
Ottawa, City of	8840	Suburban roads construction	20,250.00	A-9458-c
Ottawa, City of	8812	Local Improvement Works	27,452.90	A-9458-d
Ottawa, City of	8815	Local Improvement Works	64,000.00	A-9458-e
Ottawa, City of	8816	Local Improvement Works	3,500.00	A-9458-f
Ottawa, City of	8817	Water mains, water services and hydrants	56,000.00	A-9458-g
Ottawa, City of	8813	Local Improvement Works	18,500.00	A-9458-h
Ottawa, City of	8814	Local Improvement Works	6,000.00	A-9458-i
Owen Sound, City of	995	Construction of curbs and gutters	10,524.67	A-9765-a
Owen Sound, City of	996	Pavements	33,718.56	A-9765-b
Owen Sound, City of	998	Sewers	3,963.36	A-9765-c
Port Arthur, City of	2409	(And By-laws Nos. 2397-2406 thereby consolidated) — Local Improvements, pavements and sidewalks	44,866.79	A-9469 & A-8812-a
Port Arthur, City of	2413	(And By-laws Nos. 2410-2412 thereby consolidated) Local Improvements, Sanitary Sewers	7,663.17	A-8812-c & A-7976 & A-8496-a
Saltfleet, Township of	1215	Watermains and water services, Normanhurst and Wilson Park Surveys	10,000.00	A-9241
Sandwich South, Twp. of	861	(And By-laws Nos. 842, 843, 847 and 850 thereby consolidated) Drainage purposes	9,863.65	A-9448

Shuniah, Municipality of	650	Enlargement of school site, improvements to property, erection of schoolhouse and purchase of furniture and equipment	6,000.00	A-9535
Sudbury, City of	2129	(And By-laws 2126, 2128 and 2113 thereby consolidated) Local Improvement works	116,878.50	A-9410
Swansea, Village of	786	Floating Indebtedness	10,428.42	A-9149-a
Swansea, Village of	787	Floating Indebtedness	14,090.58	A-9149-b
Swansea, Village of	810	Local Improvements, pavement and gravel roadways	4,427.17	A-9446-c
Swansea, Village of	809	Local Improvements, sidewalks, watermains and pavements	9,684.69	A-9446-b
Swansea, Village of	808	Local Improvements, sanitary sewers	12,734.37	A-9446-a
Tweed, Village of	458	Retirement of debentures before maturity	8,477.92	A-9081

MISCELLANEOUS

ARBITRATIONS

		Procedure File
Section 79 of "The Highway Improvement Act":		
Clow, Mrs. Matilda M. and Dept. of Highways	Compensation for lands expropriated, Lots 9 and 10, Broken Front Concession, Yonge Township	A-9495
Garzo, Arthur and Department of Highways	Compensation for lands expropriated, all of lots 3, 4, 5 and 6, Registered Plan No. 14, parts Lots 2 and 28, Registered Plan No. 14 and part block "B", Registered Plan No. 29	A-9752
Trickey, Howard L. and Department of Highways	Compensation for lands expropriated, Lots 17, 18 and 19, Broken Front Concession, Township of Yonge	A-9496
"The Power Commission Act":		
Jones, E. A. and Hydro-Electric Power Commission of Ontario	Compensation for land taken for transmission line purposes and for damage to trees in Lots 29 and 30, Registered Plan No. 131, Township of Verulam	A-9508
Clause (ii) of Section 59 of "The Ontario Municipal Board Act":		
Nepean and Gloucester, Townships of, Town of Eastview and Village of Rockcliffe Park and City of Ottawa	Fixing by the Board of the rates to be charged by the City of Ottawa for water supplied thereto	A-9343
Section 15 of "The Grand River Conservation Act, 1938":		
Norway Realty Company, Ltd. and The Grand River Conservation Commisison	Compensation to be paid to the Appellant for expropriation of part of southwest halves of Lots Nos. 7 and 8, Concession 4, Township of West Garafraxa	A-9303

ASSESSMENT APPEALS

	Procedure File
Aikins, Henry Wilberforce vs. City of Toronto	A-9072
Assaf, A. vs. Town of Cobalt	A-9107
Barthelmes, Alexander (per A. J. Bentley) vs. City of Toronto	A-9215
Hancock, T. H. Ltd. vs. City of Toronto	A-9236
Hulse & Playfair, Ltd. vs. City of Ottawa	A-9305
Johnston, Mary E. vs. City of Toronto	A-9101
London Realty Co. Ltd. vs. City of London	A-9287
Norwich Union Life Insurance Society vs. City of Toronto	A-9206
St. James Court, Ltd. vs. City of Toronto	A-9209

DEFAULTING MUNICIPALITIES

(Part III of "The Department of Municipal Affairs Act")

	Procedure File
Rainy River, Town of	A-9818

DEFAULTING MUNICIPALITIES—REFUNDING PLANS

("The Department of Municipal Affairs Act")

	Procedure File
Sandwich East, Township of	A-9235
Sandwich West, Township of	A-9125
LaSalle, Town of	A-9124

DEFAULTING MUNICIPALITIES—VARIATION IN LOCAL IMPROVEMENT RATES

("The Department of Municipal Affairs Act" and "The Ontario Municipal Board Act")

Municipality		Procedure File
Scarborough, Township	Levies in years 1940-1977	A-9554

DETACHMENT OF FARM LANDS FROM TOWN OR VILLAGE

(Section 21 of "The Municipal Act")

Municipality		Procedure File
Picton, Town of	Application of Rosa L. Pearsall for detachment of Lot No. 1080 from the Town of Picton and the annexation of same to the adjoining Township of Hallowell	A-9023

ERECTION OF POLICE VILLAGE

(Section 526 (3) of "The Municipal Act")

Municipality		Procedure File
Wasaga Beach, District of	Application of R. R. Goldsmith and others of the Townships of Sunnidale and Flos for the erection as a Police Village of a part of the District of Wasaga Beach	A-8540

"THE (MUNICIPAL) FRANCHISES ACT"—APPROVALS UNDER

Municipality		Procedure File
London, City of	Approval of By-law No. L.S.R. 8 granting to the London Street Railway Co. a transportation franchise for one year for operation of bus service within city limits	A-9653

HIGHWAYS (NARROW)

(Section 502 (2) of "The Municipal Act")

Municipality		Procedure File
York, Township of	Approval of opening of Rotherham Avenue at a width of less than 66′	A-9394
York, Township of	Approval of the laying out of Winona Drive at a width of less than 66′	A-9860
York, Township of	Approval of the laying out of East Drive at a width of less than 66′	A-9298
York, Township of	Approval of the extension of Rexford Ave. at a width of less than 66′	A-9457

HIGHWAYS—WIDENING OF

(Section 348 (3) of "The Municipal Act")

Municipality		Procedure File
Forest Hill, Village of	Approval of By-law No. 578 (as amended) Extension of Vesta Drive	A-7240

INCREASED BORROWINGS BY MUNICIPALITIES

(Section 339 (2) of "The Municipal Act")

Municipality	Amount	Procedure File
Belleville, City of	90%	A-9544
Larder Lake, Town of	90	A-9806
Lennox and Addington, County of	100	A-9584
Mosa, Township of	90	A-9824
St. Marys, Town of	90	A-9790
Teck, Township of	90	A-9623
Wellington, County of	100	A-9578

LANE—APPROVAL OF BY-LAW FOR OPENING OF

(Section 29 (3) of "The Local Improvement Act")

Municipality	By-law No.	Location	Procedure File
Fort Frances, Town of	1246	That block of Town bounded by Armit Ave., Scott St., Crowe Ave. and Church St.	A-9345

LEGISLATION (SPECIAL)

Municipality		Procedure File
Brantford, City of	Approval of By-law to determine the percentage of the whole amount of certain taxes to be paid by certain companies (Sec. 1 and 2, City of Brantford Act, 1940)	A-9460
Lennox and Addington, County of	Approval of By-law No. 735 (as amended by By-law No. 740) to equalize the assessments of the several Townships, Towns and Villages in the County (sub-section (1) of "The County of Lennox and Addington Act, 1940" C. 43.)	A-9354

LICENSE FEE

(Section 420 (11) of "The Municipal Act")

Municipality	Purpose	Procedure File
Grantham, Township of	Annual fee of Twenty-Five Cents for Bicycle	A-9882
Sarnia, City of	Annual fee of Twenty-Five Cents for Bicycle	A-9901

LOCAL IMPROVEMENTS—APPROVAL OF UNDERTAKING OF

(Section 8 of "The Local Improvement Act")

Municipality	Date of Notice of Intention	Works	Procedure File
Crowland, Tp. of	October 30, 1940	Sewers, Scholfield Ave. and MacAlpine Ave.	A-9890
Sault Ste. Marie, City of	February 5, 1940	Street Improvements, Wards 1-6	A-9250
Sault Ste. Marie, City of	July 12th, 1940	Sidewalks, Huron St. &c.	A-9786
Timmins, Town of	May 30, 1940	Sidewalks, Kimberly Ave. &c. and Sewers, Hemlock St.	A-9378-a-b

LOCAL IMPROVEMENTS—PART ONLY OF WORK

(Section 18 of "The Local Improvement Act")

Municipality	Amending By-law	Original By-law	Procedure File
Fort William, City of	——	3530	A-9202
Fort William, City of	——	3530 and 3666	A-9202

LOCAL IMPROVEMENT—APPORTIONMENT OF COST OF

(Capital Expenditure Approved Prior to 1940)

(Section 27 (3) of "The Local Improvement Act")

Municipality	Purpose	Procedure File
Fort William, City of	Paving Gore St. and Brown St.	A-9371

"THE ONTARIO MUNICIPAL BOARD ACT"—APPROVAL OF BY-LAW (Section 59 (c))

Municipality		Procedure File
Whitby, Town of	Approval of By-law No. 1576 providing for the acquisition of Industrial Sites in the Town	A-9278

PARKS—SETTING ASIDE PART OF FOR ATHLETIC PURPOSES

(Section 12 (6) of "The Public Parks Act")

Municipality	Property Affected	Procedure File
East York, Township of	Portion of Cosburn Park for the use of the East York Lacrosse Club	A-9385

"THE PLANNING AND DEVELOPMENT ACT", "THE LAND TITLES ACT" AND "THE REGISTRY ACT"—PLANS OF LAND SUBDIVISIONS

Owner	Description	Procedure File
Amm, Mrs. Clara	Part Lot 1, Con. III, Tp. McKim, Dist of Sudbury	A-9340
Adanac Realty Ltd.	Part Lot 6, Range 1, Kingsmill Reserve Tp. Etobicoke, Co. York	A-9577
Beal, Mary Ann, and A. J. and Helen U. Finlay	Lots 19, 20 and 21, Plan 192, City of St. Thomas, Co. Elgin	A-9198
Baker, Earl	Part Lot 6, Con. X, Tp. Dunwich, Co. Elgin	A-9226
Bishop, Arthur Leonard	Lots 1-6 (inclusive) (described as subdivision of Lot 1261, City of St. Catharines as shown on Corporation Plan No. 2) Co. Lincoln ("Springbank")	A-9261
Boland, C. L.	Surface rights Mining Claim L-2091, Township Teck	A-9234
Brookfield, J. Roy	Parts Lots 3 and 4, Block 59, Town of Simcoe, Co. Norfolk	A-9326
Brewer, E. C.	Part Lot 7, Con. II, Tp. Mountjoy, Dist. Cochrane (P. and D.) (L.T.A.)	A-9449
Byers, D. J.	Part Lots 1 and 2, Con. 6 and Part Lot 1, Con. 7, Tp. Eastnor, Co. Bruce (P. and D. and Reg. Act)	A-9524
Boudreau, Joseph	Pt. Lot 4, Con. III, Tp. Neelon, Dist. Sudbury (Town of Coniston)	A-9543
Belisle, J. Alfred	Part Broken Lot 11, Con. 1, Tp. Aurora, Dist. Cochrane (P. and D. and L. T. Acts)	A-9626
Caille Enterprise Ltd.	Part Lot 1, East of Puce River, Tp. Maidstone, Co. Essex "Caille Subdivision"	A-9390
Cook, Richard J.	Part Lot 6, Con. VI, Tp. Sunnidale, Co. Simcoe	A-9654
Chartrand, Geo.	Part Lot 11, Con. I, Tp. Aurora, District of Cochrane	A-9690
Cowan, Colin G. et al	Part Lot 12, Con. XI, Tp. North Walsingham, Co. Simcoe	A-9795
Delow, Village of	East half each of Lots 8, 9 and 10, Con. VIII Tp. Marmora, Co. Hastings (P. and D. and Reg. Act)	A-9377
Evans, Mrs. Irene M.	Part Farm Lot 307, Talbot Rd. North, Tp. Sandwich, South, Co. Essex	A-9855
Finlay, Helen U.	See "Beal, Mary Ann"	
Fife, Victor A. and Joseph	Part front Lot 5, Con. V, Tp. Smith, Co. of Peterborough	A-9480
Forman, Joseph	Part Lot 20, Con. III, Tp. Fenelon, Co. Victoria	A-9647
Hill-Clark-Francis, Ltd.	Surface rights, Part Mining Claim L-1830 (T.C. 708) Tp. Teck, Dist. Temiskaming	A-9178
Humberstone, Village of	Part Block N, Reg. Plan Village Humberstone, No. 3252 ("Maple Park"), Co. Welland	A-9676
Hastings, H. H.	See "Toronto and Big Creek Shooting Club",	
Loch, Alexander C.	"Duclos Point Park", Lot 18, Con. VIII, and Lot 18, Con. IX, Tp. Georgina, County York (North Riding)	A-9833
Matachewan Townsite Syndicate	(A. Matheson, et al) Surface rights of Pt. Mining Claim M.R. 6321 and 6451 (L.T.A.) Cairn Tp. Dist. Temiskaming	A-9522
Mullin, Edward, et al	Part Farm Lot 21, formerly in Con. I, Tp. of Kingston, now in City of Kingston, (P. and D. and Ry Act)	A-9602

Matt Bros.	Part Lot 12, Con. III, Tp. Neelon, Dist. Sudbury	A-9794
McNamara Construction Co.	Parts Lots 6, 7 and 8, Con. IX and amending Plan 214, Tp. North Gwillimbury, Co. York	A-9166
McDougall, Margaret E.	Part Lot 5, Con. II, Tp. Gasson	A-9210
Noronto Lands Ltd.	Surface rights Part N.S. ¼ of North ½ Lot 12, Con. 1, Tp. Tisdale, Dist. Cochrane (P. and D. and L.T.A.)	A-9612
Pysaniuk, Dimitro	Part Lot 4, Con. V., Tp. McKim, Dist. Sudbury	A-9589
Plato, High & Co.	Part Lot 16, Con. V, Tp. Grantham (now in City of St. Catharines) Co. Lincoln	A-9657
Ryder, Samuel Geo.	Part Lot 22, Con. XI, Tp. Windham, Co. Norfolk (P. and D. and Reg.)	A-9213
Renaud, Joseph A.	Part Lot 4, Lake Shore Range, Tp. Rochester, Co. Essex	A-9742
Sayles, Hazel E. et al	"Hunter" Block, City of Brantford	A-9357
Steele, Chas. E.	Amendment to Plan of Part Lot 1, Con. 1, Tp. Wainfleet, Co. Welland (Cedarcrest)	A-8631
Shapley, Howard Wilson	Part Lot A, Reg. Plan 1441 (York), Tp. of Etobicoke, Co. York	A-9581
Swift, Martin J.	Part Lot 11, B.F. Concession, Tp. Clinton, Co. Lincoln	A-9881
Turnbull, Christina, et al	Part Lot 31, L.R.W. Con. Tp. Hay, Co. Huron (P. and D. and Ry. Act)	A-9456
Tilden, Wallace	Part Lot 8 as shown on plan of Squatters' Holdings on the Naval Reserve at Point Pelee, Tp. Mersea, Co. Essex	A-9483
Toronto and Big Creek Shooting Club	"Long Point Beach" Summer Resort, Tp. South Walsingham, Co. Norfolk	A-9725
Wallington, F. M.	Part Lot 5, Con. II, Tp. Mountjoy, Dist. Cochrane (P. and D. and L.T.A.)	A-9701

RAILWAYS (PROVINCIAL)—ORDERS ISSUED BY THE BOARD RESPECTING

City of Kitchener and Public Utilities Commission of the City of Kitchener	Approval of:— (a) Discontinuance of Bridgeport Branch Line and substitution of bus service (b) Deviation, change or alteration of Bridgeport Branch Line to Lancaster St. and Highway in Tp. of Waterloo known as Lancaster St. (c) Maintenance and operation of motor buses in conjunction and as part of street railway system and maintenance and operation of motor buses to provide a cross-town bus service in the Town of Waterloo (d) Approval of tariff of fares relating to buses—(cash fare of 5c)	A-9421

RESTRICTED AREAS—ESTABLISHMENT OF

(Section 406 of "The Municipal Act")

Municipality	By-Law No.	Area Restricted	Procedure File
Chatham, City of	2731	Prohibiting use of land or the erection or use of buildings in the areas or abutting on the highways or parts of highways described in the By-law	A-8882
Etobicoke, Twp. of	6234	Establishing restrictions for Zone 6 Districts D to U	A-9604
Forest Hill, Village of	1362	Restrictions on parts of Briar Hill Ave., Castlefield Ave. and St. Clements Ave.	A-9427
Galt, City of	3326	(As directed to be amended by By-law 3335)—Use of land or erection or use of buildings within a certain defined area of the City as set out in By-law	A-9420
London, Township of	1187	(Amended by By-law 1191 as directed) Prohibiting use of lands or erection or use of buildings and signs or advertising devices in portion of Township known as "Broughdale" except for residential and educational purposes	A-9585
Newcastle, Village of	589	Use of land for erection of buildings or use of buildings within areas defined in By-law	A-8985
New Toronto, Town of	1132	Restricting the erection of buildings on Eleventh St.	A-9651
North York, Twp. of	2732	(Amended by By-law 2790 as directed) Establishing restricted district comprising lands in registered plans 2400 and 2633	A-9154
North York, Twp. of	2734	(Amended by By-law 2764 as directed) regulating the spacing of buildings to be erected in portion of Township south of Sheppard Ave. West, East of Bathurst, north of the limits of City of Toronto and west of Yonge St. and City of Toronto limits	A-9155
North York, Twp. of	2849	(Amended by By-law 2952 as directed) Regulating the bulk, spacing and character of buildings in area defined in By-law	A-9534
North York, Twp. of	2901	(Amended by By-law 2939 as directed) Regulating the spacing and character of buildings in that portion of Township known as Lawrence Park and prohibiting the use of land or buildings for any purpose except detached private dwellings	A-9667
Ottawa, City of	8879	Restricting the use of land and the erection and use of buildings on land within a certain area in Dalhousie Ward	A-9455
Riverside, Town of	509 and 509A	Prohibiting the use of land or erection of buildings within the area defined in by-law and for regulating the height, bulk, spacing and character of buildings to be erected or altered within such defined area	A-9346
Tecumseh, Town of	439	Paragraphs 1, 3, 4, 5, 6, 7, 8, 9, 11, 12 and 13 of By-law approved—Establishing restricted district or zone within the limits of municipality comprised in Registered Plan No. 1183 and Lots 1-34 inclusive, 137-153 inclusive and 155-171 inclusive according to Registered Plan No. 736	A-9500

Toronto, City of	15309	(Amended by By-law 15359 as directed) Restricting to use for private residences only land and buildings in portion of the City between Blythwood Rd. and Lawrence Park East	A-9249
Toronto, City of	15406	Use for detached or semi-detached residences only land and buildings on either side of Leslie St. between Queen and Gerrard Sts.	A-9510
York, Township of	11924	Establishing a restricted district or zone within a defined area of the Township	A-9355

RESTRICTED AREAS—REPEAL OR AMENDMENT OF

(Section 406 (2) (b) of "The Municipal Act")

Municipality	Amending By-law No.	Original By-law No.	Areas Affected	Procedure File
Etobicoke, Township of	6236	6159	Permitting certain minor breaches of (Bloor St. South Restricted Area)	A-9685
East York, Township of	3020	1243	Amending division of Township into Industrial, Business and residential areas	A-9275
Forest Hill, Village of	1393	1336	Vesta Drive, Shallmar Blvd. and Old Forest Hill Rd.	A-9237
Forest Hill, Village of	1350	73	Erection of gasoline and service station on part Lots 36-38, Plan 1688	A-9369
Forest Hill, Village of	1353	1032	Lots 27-31 and Lot 33, Plan 1675	A-9401
Forest Hill, Village of	1379	1032	Whitmore Ave. between Rosebury Ave. and Connaught Ave.	A-9671
Forest Hill, Village of	1380	112	Erection of garage on Lot 67, Range 1, Plan 734	A-9672
Fort William, City of	3737	3510	Extension of a certain Restricted Area	A-9514
Kitchener, City of	2712	1823, 1834 and 1835	Amending Zoning Ordinance By-law	A-9186
North York, Township of	2724	2126	(as amended by By-laws 2154 and 2366) Erection of detached dwelling house with attached garage (north wall of garage to be built up to north limit of lot)	A-9117
North York, Township of	2950	2126	(as amended by By-laws 2154 and 2366) Lands included in Registered Plan 1505	A-9876
Ottawa, City of	8915	5518	Use of land and erection or use of buildings within a certain area in St. George's Ward	A-9644
Ottawa, City of	8878 (as amended by By-law 8913)	6237	Use of land and erection or use of buildings with the area therein defined	A-9454
Port Arthur, City of	2377	2326	Building line of Lots 319 and 320 according to registered Plan M-34	A-9285
Port Arthur, City of	2394 (as amended by By-law 2379)	2326	Building line of Lot 320 according to registered Plan M-34	A-9285
Scarborough, Township of	3019	2066	Conversion of 50 Courcelette Rd. from a single dwelling into a two-family dwelling	A-9490
Stratford, City of	3787	2740	Erection and use of a building on lands described in by-law for purpose of manufacturing, selling and distributing carbonated beverages	A-9159
Toronto, City of	15308	11309	Conversion of 26 Tyndall Ave. into 3-family dwelling house	A-9248

Toronto, City of	15300	14780	Use of Eglinton Hunt Club property for army, navy and air force purposes	A-9217
Toronto, City of	15307	15234	Conversion of 469 Palmerston Ave. into 3-family dwelling house	A-8970-a
Toronto, City of	15313	11986	Use of 407 Palmerston Ave. as a resident doctor's office	A-8465
Toronto, City of	15366	15226	Erection of 13 apartment houses on the east side of Avenue Road, between Chaplin Crescent and College View Ave.	A-8915
Toronto, City of	15253	11957	Conversion of No. 56 Spadina Rd. into a three-family apartment house—APPLICATION REFUSED	A-9100
Toronto, City of	15314	11309	Erection of two-unit apartment house at 112 Tyndall Ave.	A-9264
Toronto, City of	15286	12958	Residential restrictions on certain streets	A-9119
Toronto, City of	15288	15074	Use of certain lands at south-west corner of Yonge St. and Chatsworth Drive for gasoline service station purposes	A-9120
Toronto, City of	15212	11952	Conversion of 538 Huron St. into a three-family apartment house	A-9128
Toronto, City of	15370	15314	Erection of a two-unit apartment house at 112 Tyndall Ave.	A-9264
Toronto, City of	15312	12621	Erection of a six-storey apartment house on certain lands on the south side of St. Clair Ave., west of Avenue Road	A-9263
Toronto, City of	15327	11309	Conversion of 10 Tyndall Ave. into a three-family dwelling house	A-9299
Toronto, City of	15328	15065	Use of a portion of 480 Palmerston Ave. for two physician's offices	A-9300
Toronto, City of	15333	13795	Erection of a private residence at 154 Snowdon Ave. with the chimney breast closer to the east lot line than 2 feet	A-9301
Toronto, City of	15335	12958	Erection of a dwelling house at north-west corner of Kimbark Blvd. and Otter Crescent closer to north line of Kimbark Blvd. than 20 feet	A-9302
Toronto, City of	15373	15335	Erection of dwelling house at north-west corner of Kimbark Blvd. and Otter Crescent closer to north line of Kimbark Blvd. than 20 feet	A-9302
Toronto, City of	15329	12259	Conversion of 11 Laxton Ave. into a three-family apartment house	A-9307

Toronto, City of	15395	11955	Conversion of 123 Kendal Ave. into a three-family apartment house	A-9505
Toronto, City of	15407	12604	Prohibiting the erection of residences on west side of Oriole Parkway between Chaplin Cres. and Collegeview Ave. and east side from Chaplin Cres. to Anderson Ave. costing less than $6,000.00 and lesser height than two storeys	A-9504
Toronto, City of	15398	11474	Conversion of 128 Park Rd. into a duplex dwelling house	A-9506
Toronto, City of	15411	8815	Conversion of 35 Roxborough St. W. into a two-family dwelling house	A-9507
Toronto, City of	15410	9533	Conversion of 64 St. Andrews Gardens into a two-family dwelling house	A-9611
Toronto, City of	15415	14317	Conversion of 371 Spadina Rd. into a two-family dwelling house and the use thereof as doctor's offices	A-9637
Toronto, City of	15454	12604 (as amended by By-laws 13168 and 14452)	Erection of a dwelling house, with a doctor's office in the basement at the south-west corner of Chaplin Crescent and Oriole Parkway closer to the south street line of Chaplin Crescent than 16 feet	A-9723
Toronto, City of	15457	11986	Conversion of 357-357½ Palmerston Ave. into a three-family apartment house	A-9724
Toronto, City of	15467	12958	Erection of a private detached residence on the south side of Kimbark Blvd. with the chimney breast closer to the east lot line than 2 feet	A-9754
Toronto, City of	15469	9285	Use of 10-feet right-of-way adjoining 290-292 Spadina Rd. as a right-of-way from Spadina Rd. to certain garages to be erected at the rear of the said premises	A-9755
Toronto, City of	15489	15406	Conversion of 171 Leslie St. into a duplex dwelling	A-9816
Windsor, City of	262		Building restrictions in area bounded on north by Niagara St., on east by Monmouth Rd., on south by the alley next south of Niagara St. and on west by Devonshire Rd.	A-9498

SCHOOL SECTIONS—AMALGAMATION OF, APPOINTMENT OF REFEREE

(Section 16 of "The Public Schools Act")

Municipality	By-law No.	Sections Amalgamated	Procedure File
Atwood, Twp. of	195	Nos. 1, 2, 3 and 12	A-8639-b
Wollaston, Twp. of	9	Nos. 1 Wollaston, 2 Wollaston and Faraday, 5 Wollaston, 6 Wollaston, 8 Wollaston, and Lake, 10 Wollaston, Limerick, Tudor and Lake	A-9188

SINKING FUNDS—AUTHORITY TO DISPENSE WITH FURTHER LEVY FOR, WHERE AMOUNT IN SINKING FUND SUFFICIENT

(Section 321 (b) of "The Municipal Act")

Municipality		Procedure File
Belleville, City of	Debts created by By-laws 2345 and 2394	A-9224

SINKING FUND—REDEMPTION OF DEBENTURES WITH

(Section 327 of "The Municipal Act")

Municipality	Debentures Redeemed	Amount	Procedure File
Kingston, City of	Gas Issue No. 13, 5½% due Jan. 1st, 1949	50,000.00	A-9168

SINKING FUNDS—USE OF SURPLUS AND AUTHORITY TO DISPENSE WITH FURTHER LEVY FOR WHERE AMOUNT IN SINKING FUND SUFFICIENT

(Section 321 (a) and (b) of "The Municipal Act" (as enacted by Section 18 O.S. 1939, C. 30))

Municipality		Procedure File
Peterborough, City of	Debts created by By-laws 1733, 3019, 3020, 1716 and 2451	A-9631
Peterborough, City of	Debts created by By-laws: 1940 Nos. 2278, 2290, 2302, 1593, 2260, 2327, 2913, 2910, 1592, 2260, 2327, 2913, 2910, 1559, 1586 1941—Nos. 2362, 1606, 1632, 1666, 2399, 2401, 2963, 2961, 1651, 2398 and 1609	A-8640

STERLING—ISSUE OF DEBENTURES IN

(Section 306 (3) of "The Municipal Act")

Municipality		Procedure File
Toronto, City of	Application for approval of the passing of a By-law to authorize cancellation of certain sterling debentures and the issue of new sterling debentures in substitution therefor—£220,058 18s. 1d.	A-9473
Toronto, City of	Application for approval of passing of a by-law to authorize cancellation of certain debentures and the issue of new debentures in substitution therefor—£236,409 10s. 5d.	A-9489

TAX RATE

(Capital expenditure approved prior to 1940) (Section 315 (2) of "The Municipal Act")

Municipality	By-law No.	Purpose	Amount	Procedure File
Fort William, City of	3718	Local Improvements	61,589.20	A-9350
Teck, Twp. of	973	Extension and construction of waterworks and sewers	2,480.00	A-8570
Teck, Twp. of	975	Construction of waterworks and sewerage extensions	75,557.00	A-8570

TARIFF OF FEES

(Section 107 of "The Ontario Municipal Board Act")

	Procedure File
Approval of Tariff of Fees of Ontario Municipal Board	A-9153

WORKS ORDERED BY THE BOARD OF RAILWAY COMMISSIONERS FOR CANADA AND THE ONTARIO MUNICIPAL BOARD

(Section 307 (3) (f) of "The Municipal Act")

Municipality	Purpose	Amount	Procedure File
Toronto, City of	Replacement of the Dundas St. W. Bridges	363,000.00	A-5994
Toronto, City of	Corporation's share of cost of constructing a subway on Victoria Park Ave.	21,000.00	A-8325

ORDERS ISSUED BY THE BOARD UNDER "THE TELEPHONE ACT"

(R.S.O. 1937, Chapter 261)

		Procedure File
Addison Rural Independent Telephone Co. Ltd.	Approval of By-law No. 36	A-9309
Addison Rural Independent Telephone Co. Ltd.	Approval of annual charges for service	A-9666
Barrie-Angus Telephone Co. Ltd.	Approval of interchange of service with Bell Telephone Co. of Canada	A-9748-a
Bell Telephone Co. of Canada, Ltd.	Approval of interchange of service with Barrie-Angus Telephone Co. Ltd.	A-9748-a
Bell Telephone Co. of Canada, Ltd.	Approval of sale to, of Fairyport Telephone Line (E. and E. L. Ecclestone)	A-9531
Bell Telephone Co. of Canada, Ltd.	Approval of sale to, of Grunwald Telephone Line (J. W. White)	A-9494
Bell Telephone Co. of Canada, Ltd.	Approval of purchase from, of certain plant and equipment by Township of Hay	A-9610
Bell Telephone Co. of Canada, Ltd.	Approval of sale to, of Scarboro Telephone Co. Ltd. and of its By-law No. 108	A-9502
Bell Telephone Co. of Canada, Ltd.	Approval of connecting agreement with Thunder Bay Telephone Co. Ltd.	A-9245
Bell Telephone Co. of Canada, Ltd.	Approval of interchange of service with Nipissing Central Railway Co., Northern Telephone Co. Ltd. and Temiskaming and Northern Ontario Railway Commission	A-9311
Bell Telephone Co. of Canada, Ltd.	Approval of purchase from, of certain plant and equipment by Tp. of Wellesley	A-9683
Belmont Municipal Telephone System	Approval of charges for service	A-9223
Blanshard Municipal Telephone System	Approval of telephone tolls	A-9484
Brooke Municipal Telephone System	Approval of its By-law No. 1	A-9228
Browning Island Telephone Line	Approval sale of System to A. R. McKay	A-9459
Chapleau Telephone System Ltd.	Approval of its By-law No. 8	A-9898
Cochrane Municipal Telephone System	Approval of interchange of service with Temiskaming and Northern Ontario Railway Commission	A-9413
Chippawa Rural Telephone Co. Ltd.	Approval of interchange of service with Enterprise Telephone System Ltd.	A-9207
Christie Municipal Telephone System	Approval of appointment of T. E. Ryder as Commisisoner to fill vacancy left by resignation of J. Hannon	A-9349
Colborne Municipality of Operating Colborne Municipal Telephone System	Approval of agreement for transfer of certain plant and equipment from Goderich Rural Telephone Co. Ltd.	A-9152
Cumberland Municipal Telephone System	Increased charges	A-9266

Dummer Municipal Telephone System	Appointment of J. Hawthorne as Commissioner in place of S. W. Anderson, deceased	A-9877
Emily Municipal Telephone System	Increased charges	A-9573
Enterprise Telephone System Ltd.	Approval By-laws Nos. 1-25 (inclusive)	A-9192
Enterprise Telephone System Ltd.	Approval interchange of service with Chippewa Rural Telephone Co. Ltd.	A-9207
Enterprise Telephone System Ltd.	Approval of tolls	A-9670
Ernesttown Rural Telephone Co. Ltd.	Approval of investment of $3,000.00 of Depreciation Funds in interest bearing Securities	A-9735
Fairyport Telephone System (E. L. and E. Eclestone, Proprietors)	Sale of system to Bell Telephone Company of Canada	A-9531
Goderich Rural Telephone Co. Ltd.	Transfer of certain plant and equipment to, Municipal Corporation of Tp. of Colborne and interchange of service with Colborne Municipal Telephone System	A-9152
Grunwald Telephone Line (J. W. White, Prop.)	Sale of system to Bell Telephone Company of Canada	A-9494
Hay Municipal Telephone System	Approval of purchase of certain plant and equipment from Bell Telephone Co. of Canada	A-9610
Hoath Head & Grey Telephone Co. Ltd.	Approval of charges for service	A-9204
Home Telephone Co. Ltd.	Approval of its By-law No. 24	A-9191
Howick Municipal Telephone System	Approval of By-law Nos. 6 and 7—Control and management of system	A-9169
Howick Municipal Telephone System	Approval of date for holding annual meeting	A-9283
Howland Municipal Telephone System	Approval of charges for service	A-9625
Huron Municipal Telephone System	Approval of increased charges	A-9330
Innerkip Rural Telephone Co. Ltd.	Approval of investment of Depreciation Funds in interest bearing securities	A-9677
Ivy Thornton Telephone Co. Ltd.	Approval of investment of Depreciation Funds in interest bearing securities	A-9195
Lambton Telephone Co. Ltd.	Approval of By-law No. 30 of Tp. of Sombra —use of highways by	A-9844
Lane, T. W. J.	Sale to applicant of Stormont Telephone Co.	A-9174
Manitoulin Island Telepphone Co. Ltd.	Approval of its By-law No. 34	A-9219
Manitoulin Island Tele-Co. Ltd.	Approval of its By-laws Nos. 35 and 36	A-9615
Manitoulin Island Telephone Co. Ltd.	Interchange of service with Manitoulin and North Shore Telephone and Telegraph Co. Ltd.	A-9407
Manitoulin and North Shore Telephone and Telegraph Co. Ltd.	Approval of interchange of service with Manitoulin Island Telephone Co. Ltd.	A-9407

Metcalfe Rural Telephone Co. Ltd.	Investment of Depreciation Funds in interest bearing Securities	A-9858
McKay, Albert Roy	Purchase of The Browning Island Telephone Line	A-9459
McKellar Municipal Telephone System	Approval of telephone charges	A-9243
Nipissing Central Railway Company	Approval of interchange of service with Temiskaming & Northern Ontario Railway Commission, The Northern Telephone Co. Ltd. and The Bell Telephone Co. of Canada	A-9311
Nipissing Central Railway Company	Approval of interchange of service with Northern Telephone Co. Ltd. and T. & N.O. Railway	A-9310
North Brant Telephone Co. Ltd.	Approval of charges for service	A-9284
Northern Telephone Co. Ltd.	Authority to expend portion of Depreciation Reserve upon new construction, extensions and additions to system	A-9244
Northern Telephone Co. Ltd.	Approval of interchange of service with Nipissing Central Railway Co.	A-9310
Northern Telephone Co. Ltd.	Approval of interchange of service with Temiskaming and Northern Ontario Railway Commission, The Nipissing Central Railway Company and The Bell Telephone Co. of Canada	A-9311
Otonabee Municipal Telephone System	Approval of appointment of C. Robertson and Wm. Drummond as Commissioners to fill vacancies caused by resignation of F. Eason and Wm. Anderson	A-9383
Otonabee Municipal Telephone System	Approval of telephone charges	A-9665
People's Telephone Co. of Forest, Ltd.	Approval of tolls	A-9238
Point Mara Telephone Co. Ltd.	Approval of tolls	A-9222
Princeton and Drumbo Telephone Co. Ltd.	Approval of tolls	A-9182
Scarboro Telephone Co. Ltd.	Approval of sale of system to Bell Telephone Co. of Canada and approval of its By-law No. 108	A-9502
Sioux Lookout Telephone Co. Ltd.	Authority to invest $987.50 of Depreciation Funds in interest bearing securities	A-9799
Sombra, Township of	Approval of its By-law No. 30, 1940, use of highways by The Lambton Telephone Co. Ltd.	A-9844
South Bruce Rural Telephone Co. Ltd.	Authority to invest $4,000.00 of Depreciation Funds	A-9640
Stormont Telephone Co. Ltd.	Approval of sale to T. W. J. Lane	A-9174
Temiskaming and Northern Ontario Railway Commission	Approval of interchange of service with Cochrane Municipal Telephone System	A-9413
Temiskaming and Northern Ontario Railway Commission	Approval of interchange of service with Nipissing Central Railway Co., The Northern Telephone Co. Ltd. and The Bell Telephone Co. of Canada	A-9311

Thunder Bay Telephone Co. Ltd.	Approval of interchange of service with Bell Telephone Company of Canada	A-9245
Thunder Bay Telephone Co. Ltd.	Approval of By-laws Nos. 1-30 (inclusive)	A-9743
Tilbury East Municipal Telephone System	Approval of date of annual meeting	A-9229
Welland County Telephone Co. Ltd.	Authority to expend portion of Depreciation Reserve on new construction, extensions and additions to system	A-9306
Welland County Telephone Co. Ltd.	Approval of By-law No. 8	A-9336
Wellesley Municipality of operating Wellesley Municipal Telephone System	Approval of purchase of certain plant and equipment from the Bell Telephone Company of Canada	A-9683

LIST OF AGREEMENTS APPROVED BY THE BOARD UNDER SECTION 96 OF "THE TELEPHONE ACT" (R.S.O., 1937, Chapter 261)

(Agreements are with the Bell Telephone Company of Canada)

	Procedure File
Adelaide Telephone Co. Ltd.	A-9172-a
Blanshard Municipal Telephone System	A-9822
Caradoc-Ekfrid Telephone Co. Ltd.	A-9280-a
Coldstream Telephone System	A-9173-b
Dunnville Consolidated Telephone Co. Ltd.	A-9358
Huron Municipal Telephone System	A-9356
London Municipal Telephone System	A-9173-c
Maidstone Municipal Telephone System	A-9247
North Gosfield Municipal Telephone System	A-9405-a
Pelee Island Municipal Telephone System	A-9405-b
Stroud Telephone Company, Ltd.	A-9870
Suroff Telephone System	A-9376
West Williams Rural Telephone Association	A-9173-d
Yarmouth Rural Telephone Co. Ltd.	A-9280-b

SERVICE STATION AGREEMENTS

Belyea Brothers Telephone Line	A-9853
Crown Hill Telephone Co. Ltd.	A-9743-b
Falkirk Telephone Co. Ltd.	A-9175
Southern Ontario Telephone Co., Ltd.	A-9561
Vespra Municipal Telephone System	A-9748-c
Woodbridge & Vaughan Telephone Co. Ltd.	A-9246

THE FOLLOWING GIVES A BRIEF SUMMARY OF THE EXTENSIONS AND IMPROVEMENTS MADE TO THE RAILWAYS UNDER PROVINCIAL JURISDICTION DURING THE YEAR 1940

CORNWALL STREET RAILWAY LIGHT AND POWER COMPANY, LIMITED

During the year ending December 31st, 1940, this company reports no extensions to its tracks.

They also report an expenditure of $6,282.39 for cost of surveying land for 1941 extensions and other miscellaneous improvements.

FORT WILLIAM ELECTRIC RAILWAY

During the year ending December 31st, 1940, this company reports no extensions or expenditures upon improvements &c. to track, equipment, land and buildings.

HAMILTON STREET RAILWAY

This company reports no extensions to track during the year 1940.

They however report an expenditure of $82,553.70 upon additions to equipment, land and buildings. This includes an amount of $54,563.48 for the purchase of 8 buses.

HUNTSVILLE AND LAKE OF BAYS RAILWAY

During the year 1940 this company reports no extensions to its track or expenditure on improvement to plant.

INTERNATIONAL TRANSIT COMPANY

This company reports no extensions to track during the year 1940.

They however, report an expenditure of $355.40 on Ferry equipment.

KITCHENER-WATERLOO & KITCHENER-BRIDGEPORT RAILWAYS

This company made no extensions to track during the year 1940, but report an expenditure of $390.45 upon additions to property during the same period.

LONDON STREET RAILWAY

No extensions to track were made by this company during the year 1940 and on November 30th, 1940, the street railway system was discontinued and bus service commenced.

They report an expenditure of $360,277.94 upon additions to plant and equipment which includes an amount of $167,369.81 for the purchase of buses.

MATTAGAMI RAILWAY

This company reports no extensions to track or expenditure on equipment etc., during the year 1940.

MOUNT McKAY AND KAKABEKA FALLS RAILWAY COMPANY

This company reports no extensions to track or expenditure on equipment etc., during the year 1940.

NIAGARA PENINSULAR RAILWAY

This company reports no extensions to track or expenditure on equipment etc., during the year 1940.

PORT ARTHUR CIVIC RAILWAY

This company reports no extensions to track or expenditure on equipment etc., during the year 1940.

SANDWICH, WINDSOR AND AMHERSTBURG RAILWAY

This company reports an expenditure of $79,582.98 on additions to equipment, land and buildings, which includes an amount of $67,814.81 (less bus sold $6,220.63) for the purchase of 10 additional buses.

SUDBURY-COPPER CLIFF SUBURBAN RAILWAY

This company reports no extension of track or expenditures upon additional plant and equipment during the year 1940.

TEMISKAMING AND NORTHERN ONTARIO RAILWAY

This railway reports no extension of track during the year 1940.

They, however, report an expenditure of $364,920.73 upon track improvement, overhead structure, rolling stock, buildings, machinery, etc., during the same period.

THURLOW RAILWAY

This company reports no extension of track or expenditures upon additional plant and equipment during the year 1940.

TILLSON SPUR LINE RAILWAY

This company reports no extension of track or expenditures upon additional plant and equipment during the year 1940.

TORONTO TRANSPORTATION COMMISSION

This company reports an expenditure of $272,811.80 upon renewals to tracks.

They also report an expenditure of $1,872,187.72 upon additions to equipment, land and buildings &c., during the same period.

NORTH YONGE RAILWAYS AND TOWNSHIP OF YORK AND WESTON RAILWAYS

The Toronto Transportation Commission, which operates these railways, reports that during the year 1940 no extensions were made to track and also report no expenditures on improvement to equipment, property, etc.

TORONTO, 1940

Summary of all Accidents on lines of the Toronto Transportation Commission
From January 1st to December 31st, 1940

	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Collisions with Cars	1	2	1	1	Nil	Nil	1	Nil	Nil	Nil	2	1	9
Collisions with Autos	510	510	600	305	275	255	250	245	315	365	460	585	4675
Collisions with Motorcycles and Bicycles	17	7	6	10	6	6	8	7	10	6	5	5	83
Collisions with Wagons	16	7	4	3	3	2	5	2	2	2	3	3	52
Boarding Cars	15	17	22	17	21	18	15	11	15	22	13	20	206
Alighting from Cars	60	80	91	25	23	21	20	21	16	31	60	50	498
Falling within Cars	43	41	43	23	30	22	20	23	18	40	48	50	401
Miscellaneous	60	82	105	47	58	44	34	48	40	47	53	63	681
Total	712	746	872	431	416	368	353	357	416	515	644	777	6605
Personal Injuries:													
To Passengers	85	30	163	60	60	52	58	62	54	75	105	110	914
To Others	30	31	20	25	20	15	15	17	20	22	11	23	249
Total	115	61	183	85	80	67	73	79	74	97	116	133	1163
Fatal Accidents:													
To Passengers	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
To Others	2	1	1	3	Nil	4	Nil	Nil	Nil	3	2	2	18
Total	2	1	1	3	Nil	4	Nil	Nil	Nil	3	2	2	18

HAMILTON, 1940

Summary of Accidents on the Hamilton Street Railway
From January 1st to December 31st, 1940

	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Collision with Autos	106	70	40	50	36	25	40	22	40	38	58	15	535
Collisions with Motorcycles and Bicycles	1	1	1	1	1	1	1	1	1	1	1	Nil	11
Collisions with Wagons	1	1	Nil	2	Nil	1	Nil	1	1	Nil	Nil	Nil	7
Boarding Cars	3	1	1	1	1	Nil	1	Nil	1	1	1	1	12
Alighting from Cars	3	1	1	1	1	1	1	Nil	1	1	Nil	1	12
Miscellaneous	4	2	1	2	1	1	1	1	1	2	1	1	18
Total	118	76	44	57	40	29	44	25	45	43	61	18	595
Personal Injuries:													
To Passengers	5	1	1	4	1	1	2	Nil	1	2	1	Nil	19
To Others	2	1	1	2	2	1	2	Nil	1	3	1	Nil	16
Total	7	2	2	6	3	2	4	Nil	2	5	2	Nil	35
Fatal Accidents:													
To Passengers	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
To Others	1	Nil	Nil	Nil	1	Nil	Nil	Nil	Nil	Nil	Nil	Nil	2
Total	1	Nil	Nil	Nil	1	Nil	Nil	Nil	Nil	Nil	Nil	Nil	2

LONDON, 1940

Summary of Accidents on the London Street Railway
From January 1st to December 31st, 1940

	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Collisions with Autos	40	30	28	20	15	26	16	15	35	21	27	30	303
Collisions with Motorcycles and Bicycles	1	1	1	1	1	1	1	1	1	Nil	1	1	11
Collisions with Wagons	1	1	2	1	1	1	1	Nil	1	1	1	1	12
Boarding Cars	4	1	2	1	2	1	1	1	1	Nil	3	1	18
Alighting from Cars	2	1	2	1	2	1	1	1	1	1	4	1	18
Miscellaneous	3	3	3	3	4	2	1	1	2	3	6	6	37
Total	51	37	38	27	25	32	21	19	41	26	42	40	399
Personal Injuries:													
To Passengers	7	2	5	3	2	1	2	2	2	1	5	3	35
To Others	4	3	2	8	4	2	1	4	3	2	6	3	42
Total	11	5	7	11	6	3	3	6	5	3	11	6	77
Fatal Accidents:													
To Passengers	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
To Others	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Total	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

TABULATED SUMMARY OF ACCIDENTS REPORTED IN 1940

Passengers		Employees		Travellers on Highways		Total	
Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
Nil	1217	Nil	34	20	307	20	1558

INDEX TO RAILWAY LEGISLATION

The following Index has been made with the object of continuing in chronological order all the legislation passed by the Dominion and Provincial Governments since 1867, affecting railways situated wholly or partially within the Province of Ontario.

"List No. 2" was commenced on page 272 of our Ninth Annual Report (1914) and is continued on page 152 of the Twenty-ninth Annual Report (1934), page 51 of the Thirtieth Annual Report, page 56 of the Thirty-first Annual Report, page 62 of the Thirty-second Annual Report, page 181 of the Thirty-third Annual Report and page 151 of the Thirty-fourth Annual Report and in the following list up to and inclusive of 1940:

CORPORATIONS TAX

Regulations re railways in Ontario owning, operating or using an hotel.
Ontario Statute, 1940 .... C.48,s.6

INTERNATIONAL TRANSIT COMPANY

Termination of franchise
Ontario Statute, 1940 .. .. C.48,s.6

SAULT STE MARIE TRANSPORTATION COMMISSION

Establishment of bus service
Ontario Statute, 1940 .... C.48,s.1, 2 & 3

FORMS THAT MAY BE USED IN CONNECTION WITH THE EXAMINATION OF MOTORMEN

Name of City or Town

.... 19

NAME OF RAILWAY

This is to certify that, acting under "The Railway Act, 1927," R.S.O., Chapter 224, Section 265, I have fully examined the .... who is .... years of age and .... feet .... inches high, weighs .... lbs., complexion .... , as to his fitness as a motorman, that the said .... is of steady habits, and is in physical ability, intelligence and general knowledge of, and experience in, this work, qualified to act as motorman on any electric car of said Company.

I have been duly appointed an examiner under the said Act, my appointment being dated ....

Name...

Examiner

FORM TO BE USED BY COMPANIES IN REPORTING ACCIDENTS

ACCIDENTS: Regulations under and in pursuance of Sections 275 and 276 of "The Railway Act, 1927," R.S.O., Chapter 224.

ACCIDENTS—Every company upon the happening of an accident shall give to the Ontario Municipal Board notice thereof in writing by delivering the same at the office of the Board in the City of Toronto or by mailing it, postage prepaid, in a registered letter and addressed to the Board.

Such notice shall contain a statement signed by duly authorized officer of such company setting forth the information and particulars hereinafter mentioned.

Such statement shall be divided into paragraphs, each of which shall include and refer to one (or one group) only of the numbered particulars hereinafter mentioned, and the paragraph referring to each respective numbered particular shall bear the number corresponding to the number hereinafter given for each such particular.

The numbers of paragraphs and the particulars to which each shall refer as aforesaid are as follows:

1. Name or names of company or companies concerned in accident.
2. Numbers of train, engine, car or motor.
3. Date and time of accident.
4. Nature of accident.
5. Exact location.
6. Name in full, address and legal addition of each person injured or killed.
7. Age.
8. Married or single.
9. Passenger, employee or other.
10. If employee, length and nature of service with dates and periods of different occupations (if more than one).
11. If employee, character, experience, skill and fitness with respect to occupation at time of accident.
12. How engaged at time of accident and how long on duty.
13. Cause of accident, how same occurred, with full particulars and details, and diagram, if required.
14. Persons in charge, with full names, addresses and the particulars referred to in paragraphs 10, 11 and 12.
15. Result to person and particulars of injury.
16. Result to property, including amount of damage.
17. Names and addresses of all persons present at, or eye witnesses of, the accident.
18. What investigation (if any), and result of same.
19. Verdict (if any).

The Board reserves the right to require such further and other details, particulars, maps, plans, profiles, documents, models and information or illustration of any kind as to the nature of the accident and a full understanding thereof may suggest or require.

In pursuance of Section 275 and 276 of said Act, the Board declares that all such information so given in pursuance of this regulation shall be privileged.

Signature of Officer.

N.B.—Give name of officer who fills out this report.

REGULATIONS

REGULATIONS AS TO HEIGHT OF CAR STEPS

Under and in pursuance of a certain order of the Board bearing date the 2nd day of June, A.D. 1909, the Ontario Railway and Municipal Board made the following regulations:

The steps on all cars hereafter constructed and used by The Toronto Railway Company and all other street and electric railways under the jurisdiction of this Board shall have steps conforming to the following regulations.

On closed single truck cars the height of the first step above the ground shall not be less than twelve nor more than fifteen inches.

On closed double truck cars the height of the first step above the ground shall not be less than fourteen nor more than sixteen inches.

On open single truck cars the height of the first step above the ground shall not be less than twelve nor more than fifteen inches, and the distance between the first and second steps and the second step and the floor of the car shall measure twelve inches and nine inches respectively.

On open double truck cars, the height of the first step above the ground shall not be less than fourteen nor more than sixteen inches, and the distance between the first and second steps and the second step and the floor of the car shall measure twelve inches and fourteen inches respectively.

REGULATION RE DRINKING WATER ON PASSENGER CARS

Every Electric Railway in Ontario, subject to the jurisdiction of the Board, shall provide in each passenger car which runs 20 miles or more, a suitable receptacle for water with paper cups attached upon or near such receptacle, and shall keep such receptacle, while the car is in use, constantly supplied with cool drinking water for the use of passengers and the conductor and motorman in charge of such car.

This regulation shall not apply to street railways in towns or cities.

Dated at Toronto, this 10th day of April, A.D. 1928.

ELECTRIC AND STEAM RAILWAYS UNDER PROVINCIAL JURISDICTION, YEAR ENDING DECEMBER 31ST, 1940

No	Name of Railway	Length of road first main track	Length of road second main track	Total main track	Length of sidings and turnouts	Total computed as single track	Length under construction	No. of Power Houses		Remarks
								Steam	Water	
1	Cornwall Street Railway Light & Power Co Ltd.	5.50		5.50	2.00	8.50				Power purchased from St. Lawrence Power Co. Ltd. and supplied to Town of Cornwall stone crusher.
2	Fort William Electric Railway	20.496				20.496				Power purchased from Hydro Electric Power Commission of Fort William.
3	Guelph Transportation Comm	Use of tracks has been discontinued and operations now carried on with busses.								
4	Hamilton Street Railway	40.17		40.17	2.63	42.80				Power purchased from Hamilton Hydro Elec. Commission and also generated.
5	Huntsville & Lake of Bays Ry.	1.45		1.75	.31	1.75				Steam Railway.
6	International Transit Co.	3.80	1.17	4.97	.09	5.06				Power purchased from Great Lakes Power Co. Ltd.
7	Kitchener-Waterloo & Kitchener-Bridgeport Railways	3.96	2.86	6.82	.94	7.76			1	Power purchased from Public Utilities Commission, Kitchener.
8	London Street Railway	Street Railway System discontinued Nov. 30th, 1940. Operation carried on with busses.								
9	Mattagami Railway	3.000		3.000	3.947	6.947				Steam Railway.
10	Mount McKay & Kakabeka Falls Railway	2.50				2.50				Leased to and operated by City of Fort William.
11	Niagara Peninsular Railway	3.325		3.325	2.115	5.440				Operated by Canada Cement Co. Ltd.
12	Port Arthur Civic Railway	13.43	6.10	19.53	1.04	20.57				Power purchased from City Light and Power System.
13	Sandwich, Windsor & Amherstburg Railway	Use of tracks has been discontinued and operations now carried on with busses.								
14	Southern Algoma Railway	In process of organization.								
15	Sudbury-Copper Cliff Suburban Electric Railway	7.9		7.9	.30	8.2				Power purchased from Hydro Electric Power Commission of Ontario.

16	Temiskaming & Northern Ontario Railway	514.0	....	514.0	133.6	647.6	....	1	....	Power purchased from Public Utilities Commission of Town of Cochrane, Hydro Electric Power Commission of Ontario, Northern Ontario Power Co. Ltd., and Abitibi Power & Paper Co. Ltd.
17	Thurlow Railway	2.671	....	2.671	4.666	7.337	....	....	.....	Operated by Canada Cement Co. Ltd.
18	Tillson Spur Line Railway	1.010	....	1.010	.051	1.061	....	....	....	All rolling stock owned and operated by Canadian National Railway.
19	Toronto Transportation Commission	111.923	102.987	214.910	28.795	243.705	....	....	....	Power purchased from Toronto Hydro Electric System and Hydro Electric Power Commission of Ontario.
20	" Twps. of York & Weston Railways	8.063	6.002	14.065	.148	14.213	....	....	....	Power purchased from Toronto Transportation Commission.
21	" North Yonge Railway	10.247	....	10.247	1.301	11.548	....	....	....	Power purchased from North York Hydro Electric Commission.

ANALYSIS OF GROSS EARNINGS AND MISCELLANEOUS INCOME FOR YEAR ENDING DECEMBER 31st, 1940

Name of Railway	From Passengers	From Mail	From Express Parcels and Newspapers	From Freight	From Rental of Tracks, Buildings, and Other Property	From Advertising	From other Miscellaneous sources	Total
Cornwall Street Railway Light and Power Co. Ltd.	$ 67,089.40	....	....	$ 88,893.09	$ 750.00	$ 523.96	$ 1,170.45	$ 158,426.90
Fort William Electric Railway	154,318.50	$ 850.00	....	....	38.00	643.24	647.90	156,497.64
Hamilton Street Railway	1,219,852.01	....	....	7,591.14	482.00	4,153.49	1,790.00	1,233,868.64
Huntsville & Lake of Bays Railway	660.25	35.00	$ 645.53	....	....	....	....	1,340.78
International Transit Co.	54,790.89	400.00	....	....	....	....	367.99	55,558.88
Kitchener-Waterloo & Kitchener-Bridgeport Railway	92,230.56	3,213.64	12.30	....	668.00	1,629.72	3,774.61	101,528.83
London Street Railway	553,623.27	3,180.00	....	....	223.00	2,561.15	3,060.23	562,647.65
Mattagami Railway	1,215.54	1,200.00	926.11	31,995.09	....	....	14,570.67	49,907.41
Mount McKay & Kakabeka Falls Ry.	....	....	....	....	1,700.00	....	1,077.53	2,777.53
Niagara Peninsular Railway	....	....	....	13,867.75	....	....	....	13,867.75
Port Arthur Civic Railway	157,779.01	....	....	....	....	726.46	....	158,505.47
Sandwich Windsor & Amherstburg Ry.	817,201.32	3,509.25	2,852.88	....	252.08	2,233.41	55.72	826,104.66
Southern Algoma Railway	In process of organization.							
Sudbury-Copper Cliff Suburban Ry.	75,755.10	68.65	....	....	240.00	385.00	668.13	77,116.88
Thurlow Railway	....	....	....	19,606.50	....	....	....	19,606.50
Tillson Spur Line Railway	All rolling stock owned and operated by Canadian National Railway.							
Toronto Transportation Commission	11,776,327.25	....	26,189.79	....	80,939.30	59,844.82	99,861.47	12,043,162.63
" " " Tp. York & Weston Ry.	245,296.15	....	....	....	....	594.50	2,161.78	248,052.43
" " " N. Yonge Railways	78,307.77	....	....	....	1,321.68	234.06	407.01	80,270.52

TABULATION OF CAR MILES RUN, PASSENGERS CARRIED, ACCIDENTS, ETC., FOR YEAR ENDING DECEMBER 31st, 1940

Name of Railway	Length of track owned miles	Length of switches & sidings miles	Passenger car miles run	Passengers carried	Passenger carried per mile of main track operated	Accidents		No. of Men Employed	Passenger Cars			Miscellaneous									
						Killed	Injured		Enclosed Cars	Open Cars	Trailers	Baggage and Mail	Cattle & Box	Platform	Coal & Dump	Tool	Snow Sweepers	Snow Plows	Loading Cranes	Locomotives	Busses and Trucks
Cornwall Street Railway	5.50	3.00	400,359	1,549,566	281,739	....	....	18	18	....	....	....	....	....	....	..	3	2	....	3	..
Fort William Electric Railway	20.496	....	692,526	2,520,400	10,974	....	3	70	17	4	....	....	....	....	....	2	1	2	....	....	....
Hamilton Street Railway	40.17	2.63	4,006,449	18,277,519	....	1	179	106	70	....	..	..	....	....	..	5	4	....	....	..	37
Huntsville & Lake of Bays Railway	1.438	.312	....	4,447	4,447	....	....	....	....	....	3	2	....	3	....	....	....	....	1	....	....
International Transit	4.97	1.17	215,319	1,101,111	289,766	....	3	18	6	....	....	....	....	....	....	....	1	....	....	..	
Kitchener Street Railway	6.82	.91	284,234	304,531	....	....	5	....	....		....	....	....	....	....	....	....	....	....	....	....
London Street Railway	....	....	2,511,945	10,072,913	....	....	71	194	Stre	et R	ailw	ay S	yste	m di	scon	tinu	ed N	ov. 3	0th,	1940.	67
Mattagami Railway	3.000	3.947	32,886	8,104	2,701	....	....	10	1	....	....	1	....	1	....	..	....	1	1	2	....
Mount McKay & Kakabeka Falls Ry.	2.50	Line oper	ated by City	of Fort Will	iam under l	ease.															
Niagara Peninsular Railway	3.325	2.115	....	....	....	....	....	4	....	....	....	....	....	1	61	....	....	....	....	2	....
Port Arthur Civic Railway	19.53	20.57	617,927	2,541,536	411	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Sandwich, Windsor & Amherstburg Ry.	....	....	3,123,187	10,338,893	....	....	120	207	....	....	....	....	....	....	....	....	2	....	....	....	84
Southern Algoma Railway	In proces	s of organi	zation.																		
Sudbury-Copper Cliff Suburban Ry.	7.9	.1600	98,000	1,102,039	139,497	....	....	....	8	....	....	....	....	....	....	....	....	1	....	....	....
Thurlow Railway	2.671	4.666	....	....	....	....	....	7	....	..	....	....	.	2	22	....	....	....	....	3	
Tillson Spur Line Railway	1.010	.051	All rolling st	ock owned a	nd operated	by C	anadi	an N	atio	nal	Rail	way									
Toronto Transportation Commission	214.910	28.795	29,313,861	173,639,838	....	19	269	3194	802	105	....	....	.	....	....	33	28	18	2	....	301
" " Twp. York & Weston Ry.	14.065	.148	603,798	5,007,690	....	....	2	Rail	way	oper	ated	by	T.T.	C. e	mpl	oyee	s&ro	lling	stoc	k.	
" " North Yonge Railway	10.217	1.301	255,387	968,556	....	....	..	"	"	"	"	"	"	"	"	"	"	"	"		

TABULATION OF COMPARISON WITH PREVIOUS YEARS AS TO CAR MILES RUN, PASSENGERS CARRIED, ETC.

For Year Ending December 31st, 1940

Name of Railway	Length of Track		Car Miles Run		Passengers Carried		Accidents				Net Earnings	
							Killed		Injured			
	In-crease	De-crease	In-crease	De-crease	Increase	Decrease	In-crease	De-crease	In-crease	De-crease	Increase	Decrease
Cornwall Street Railway	....	....	5,152	....	201,831	....	3	......	......	......	5,059.39	....
Fort William Electric Railway	....	....	31,703	....	510,472	....	......	......	1	......	a)25,824.55	....
Hamilton Street Railway	....	....	46,406	....	2,712,695	....	......	......	42	......	27,003.72	....
Huntsville & Lake of Bays Railway	....	....	....	....	....	590	......	......	......	......	....	157.21
International Transit	....	....	2,284	....	179,279	....	......	......	3	......	....	2,937.64
Kitchener Street Railway	....	2.59	....	33,720	6,771	....	......	......	......	3	....	40.23
London Street Railway	....	(b)9.959	31,971	....	1,164,361	....	......	2	......	1	25,203.47	....
Mattagami Railway	....	....	6,372	....	2,553	....	......	......	......	......	9,323.50	....
Mount McKay & Kakabeka Falls Ry	Line operated by City of Fort William under lease.						......	......	......	......	a)5,220.33	....
Niagara Peninsular Railway	....	....	....	....	....	....	......	......	......	......	2,608.27	....
Port Arthur Civic Railway	....	....	12,505	....	440,596	....	......	......	......	......	4,973.45	....
Sandwich, Windsor & Amherstburg Ry.	....	....	279,683	....	2,010,488	....	......	1	47	......	a)32,500.60	....
Southern Algoma Railway	In process of organization.											
Sudbury-Copper Cliff Suburban Ry.	....	....	9,947	....	76,229	....	......	......	......	......	7,404.80	....
Thurlow Railway	....	....	....	....	....	....	......	......	......	......	2,126.15	....
Tilson Spur Line Railway	All rolling stock owned and operated by Canadian National Railway.											
Toronto Transportation Commission	.184	....	1,027,944	....	14,662,300	....	9	......	......	3	51,188.95	....
" " " Tp. of York-Weston Ry.	....	....	7,066	....	604,967	....	......	1	......	3	a)64,998.12	....
" " " N. Yonge Railways	....	....	228	....	97,580	....	......	......	......	......	3,809.22	....

(a)—Decrease in deficit.

(b)—Street Railway System discontinued November 30th, 1940.

TABULATION OF OPERATING COSTS FOR YEAR ENDING DECEMBER 31st, 1940

Name of Railway	General Expenses	Maintenance of Roadbed and Equipment	Maintenance of Equipment	Motive Power	Wages	Damages to Persons and Property	Miscellaneous	Total
Cornwall Street Railway	$ 13,960.05	$ 7,699.09	$ 17,790.23	$ 14,479.89	$ 33,148.36	$ 1,816.04	$ 1,434.16	$ 90,327.82
Fort William Electric Railway	14,963.06	24,169.97	17,195.19	24,812.44	53,544.44	266.00	6,129.78	141,080.88
Hamilton Street Railway	57,452.02	59,818.08	111,424.23	86,667.31	300,215.34	32,911.54	109,216.18	757,704.70
Huntsville & Lake of Bays Railway	141.20	173.28	150.55		243.74		325.53	1,034.20
International Transit	8,370.07	2,799.82	5,710.35	7,920.00	12,240.08		6,036.43	43,076.75
Kitchener Street Railway	10,224.39	3,759.15	6,249.42	8,317.58	37,220.17	25.17	5,583.86	71,179.74
London Street Railway	14,265.78	16,309.42	17,717.58	22,833.48	51,064.26	6,479.22	(a)331,384.10	460,053.84
Mattagami Railway	8,346.56	5,643.07	3,603.66		10,051.02		7,922.71	35,567.02
Mount McKay & Kakabeka Falls Ry	145.67	Line operated by City of Fort William under lease.						145.67
Niagara Peninsular Railway	88.33	2,729.84	1,290.84		3,498.00		2,234.53	9,841.54
Port Arthur Civic Railway	10,931.11	11,150.55	16,956.74	20,361.01	49,090.05		7,296.48	117,785.93
Sandwich Windsor & Amherstburg Ry.	88,952.48	104,565.14	138,664.21		262,488.68			594,670.51
Southern Algoma Railway	In process of organization.							
Sudbury-Copper Cliff Suburban Ry.	7,615.59	4,961.09	7,051.47	11,533.28	24,341.41		6,737.63	62,240.47
Thurlow Railway	88.33	4,754.39	5,629.89	2,167.27	2,741.65		793.87	16,175.40
Tillson Spur Line Railway	All rolling stock owned and operated by Canadian National Railway.							
Toronto Transportation Commission	639,784.37	396,022.51	641,457.79	987,952.04	2,594,167.08	271,904.50	1,365,918.53	6,898,236.82
" " " Tp. York-Weston Ry	13,553.44	12,276.02	15,431.14	20,918.62			98,505.55	160,684.77
" " " North Yonge Railways	7,732.99	10,869.62	6,742.30	17,685.16			32,788.67	75,823.74

(a)—Street Railway System discontinued Nov. 30th, 1940. Includes expenses of bus operation.

TABULATION OF CHARGES OTHER THAN OPERATING COSTS FOR YEAR ENDING DECEMBER 31st, 1910

Name of Railway	Interest on Funded Debt	Interest or Discount on Unfunded Debt	Taxes	Transfer to Special Accounts	All Charges Other than Operating Costs	Total Expenditure including Operating Costs	Total Expenditure excluding Operating Costs	Total Revenue from all Sources	Net Deficit from Year's Operations	Net Surplus
Cornwall Street Railway	$ 9,100.00		$ 2,437.72	$ 34,467.15	$ 55,204.87	(a) & (b) $111,065.41	(a) & (b) $20,737.72	$ 158,426.90		$ 12,894.21
Fort William Electric Railway	27,997.50		1,511.20	10,854.69	40,363.39	(a) 170,589.58	(a) 29,508.70	156,497.64	24,946.63	
Hamilton Street Railway			75,309.36	203,376.80	449,160.22	(a) & (b) 1,010,241.72	(a) & (b) 252,537.02	1,233,868.64		107,303.20
Huntsville & Lake of Bays Railway			100.30		100.30	1,134.60	100.30	1,340.78		206.18
International Transit			6,202.76	15,000.00	34,702.76	(a) 62,779 51	(a) 19,702.76	69,079.90	8,699.61	
Kitchener Street Railway		3,084.75	388.22	7,000.00	26,679.32	(a) 90,859.06	(a) 19,679.32	101,528.83		3,669.77
London Street Railway	19,250.00	767.07	7,496.45	66,745.00	94,258.52	(a) 48,756.36	(a) 27,513.52	562,647.65		8,335.29
Mattagami Railway			107.25	10,000.00	10,107.25	(a) 35,674.27	(a) 107.25	49,907.41		4,233.14
Mount McKay & Kakabeka Falls Ry.			237.20	14,976.35	15,249.25	(a) 382.87	(a) 145.67	3,097.48	12,298.14	
Niagara Peninsular Railway			40.85		40.85	9,882.39	40.85	13,867.75		3,985.36
Port Arthur Civic Railway	13,514.69	1,280.66	111.77	11,706.00	27,054.40	(a) 133,134.33	(a) 15,348.40	158,505.47		13,665.14
Sandwich, Windsor & Amherstburg Ry.	304,569.55		8,246.55	229,412.11	571,041.88	(a) 936,300.28	(a) 311,629.77	826,104.66	339,607.73	
Southern Algoma Railway	In process of organization.									
Sudbury-Copper Cliff Suburban Ry.	1,626.78	2,805.75	731.29	11,350.30	16,514.12	(a) 67,404.29	(a) 5,163.82	77,116.88		1,637.71
Thurlow Railway			32.82		32.82	16,208.22	32.82	19,606.50		3,398.28
Tillson Spur Line Railway	All rolling stock owned and operated by Canadian National Railway.									
Toronto Transportation Commission	1,163,106.67		276,308.78	3,729,217.84	5,216,514.65	(a)8,385,533.63	(a)1,487,296.81	12,210,884.76		96,133.29
" " Twp. York & Weston Ry.	47,019.24			18,542.85	65,562.09	(a) 207,704.01	(a) 47,019.24	248,052.43	21,805.57	
" " North Yonge Railways			98.70		98.70	75,922.44	98.70	80,270.52		4,348.08

(a)—Does not include transfer to special accounts.

(b)—Includes dividends $177,227.66

TABULATION OF ASSETS AND LIABILITIES AS OF DECEMBER 31st, 1940

Name of Railway	Authorized Capital Stock	ASSETS			LIABILITIES				
		Cost of Railway Equipment, Land and Buildings	Cash and other Assets	Deficit	Capital Stock outstanding	Funded Debt and Real Estate	Current Liabilities	Accrued Liabilities Sinking and other Special Funds	Surplus
Cornwall Street Railway	$ 200,000.00	$ 518,582.71	$ 52,171.00		$ 200,000.00	$ 130,000.00	$ 3,824 61	$ 158,021.62	$108,910.51
Fort William Electric Railway		505,000.00	461,726.58	22,789.71		505,000.00	24,178.10	460,345.19	
Hamilton Street Railway	3,305,000 00	4,114,037.85	557,048.31		3,205,000.00		146,024.29	1,212,758.67	107,303 20
Huntsville & Lake of Bays Railway	50,000.00	31,331.20	11,794 91		27,800.00		2,021 18	13,098.75	206.18
International Transit	150,000.00	597,601.20	21,478.69		150,000.00		6,609.98	317,637.07	141,835.84
Kitchener-Waterloo and Kitchener-Bridgeport Railway		508,031.21	52,969.73	770.19	(e) 48,093.12		2,874 16	510,803.88	
London Street Railway	637,480.00	1,039,761.81	73,144.62	a)206,968.58	637,180.00	385,000.00	123,018.10	166,041.32	(b)8,335 29
Mattagami Railway	250,000.00	242,523.30	191,001 12		250,000.00		2,647.21	25,037.50	158,839.71
Mount McKay & Kakabeka Falls Ry.		57,161.62	6,659.18	341,072.98	404,839.77		54.01		
Niagara Peninsular Railway	200,000.00	55,550.88	123,348.21		50,000.00				128,899.09
Port Arthur Civic Railway		289,622.75	329,759.02	12,425.84		245,350.00	39,755.78	346,701.53	
Sandwich-Windsor & Amherstburg Ry.		565,056.14	7,886,514.07	5,629.96		6,823,705.00	828,113.38	805,381.79	
Southern Algoma Railway	In process of organization.								
Sudbury-Copper Cliff Suburban Railway	250,000.00	359,660.80	1,571.34	60,686.33	173,100.00	77,043.03	5,288 70	116,486.74	
Thurlow Railway	50,000.00	58,211.42		47,548.15	25,000.00		80,759.57		
Tillson Spur Line Railway	20,000.00	All rolling stock owned and operated by Canadian National Railway.							
Toronto Transportation Commission		52,149,504.49	5,406,996.07			18,551,166.02	364,856.72	37,879,365.40	761,112.42
" " " Twp. York & Western Ry.		1,393,256.10	49,029.62			1,023,959.35		378,329.01	39,997.36
" " " North Yonge Ry.		107,549.10	3,031.71				106,232.73		4,348.08

(a)—Deficit on Railway System. Operation discontinued November 30th, 1940.

(b)—Surplus year 1940.

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HEAD OFFICE BUILDING — TORONTO

Showing addition of ten storeys, completing the new building

THIRTY-THIRD ANNUAL REPORT

OF

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

FOR THE YEAR ENDED OCTOBER 31st

1940

ONTARIO

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THE HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO

T. H. Hogg, B.A.Sc., C.E. D.Eng.	*Chairman and Chief Engineer*
Hon. Wm. L. Houck. B.Sc., M.L.A.	*Vice-Chairman*
J. Albert Smith, M.L.A.	*Commissioner*
Osborne Mitchell	*Secretary*

To His Honour

The Honourable Albert Matthews, LL.D.,

Lieutenant-Governor of Ontario

May It Please Your Honour:

The undersigned respectfully presents the Thirty-Third Annual Report of The Hydro-Electric Power Commission of Ontario for the fiscal year which ended October 31, 1940.

The record of the Commission's work presented in this Annual Report relates to three principal fields—the co-operative municipal field, the field of rural supply, and the northern Ontario field. The first two cover the Commission's activities on behalf of the co-operative systems, and the last relates to its trusteeship of the Northern Ontario Properties on behalf of the Province. Throughout the various sections of the Report dealing broadly with physical operation of the plants, constructional activities and financial statements, these fields of activity are clearly differentiated.

The Report also presents for the calendar year 1940 financial statements and statistical data relating to the municipal electric utilities operating in conjunction with the several co-operative systems for the supply of electrical service throughout the Province.

War Activities

The past year's work of The Hydro-Electric Power Commission of Ontario has been dominated by the necessity for co-ordinating its activities to the war effort of Ontario and of the Dominion. In all departments, first place has been given to the task of ensuring that for the war industries of Ontario there should be ample supplies of power available wherever and whenever needed.

The beginning of the fiscal year in November 1939 found the Commission in a favourable position with respect to power supplies and the promise then made that Hydro could, during 1940, meet a greatly increased demand for power for industries manufacturing munitions and war supplies has been satisfactorily kept without undue difficulty.

The changing war situation resulting from the collapse of France made it necessary to accelerate greatly the pace of Canada's war effort and this stimulated demands for power. When additional supplies of power are to be provided from water-power developments, plans must be made well in advance. Continuous attention has, therefore, been paid by the Commisison to the problem of ensuring that the power resources of Ontario shall continue to be ample to service all war demands. During the past year the Commission advanced the date of taking 20,000 horsepower from the Maclaren-Quebec Power Company from November 1st to July. Other possibilities of increasing its power supplies are being examined.

In providing supplies of power under war conditions, the Commission must plan for the energy requirements as well as the peak demand of the primary load. In other words, not only must the generating capacity of the system be ample to meet the total demand at peak loads, but the water flow at the power developments must be sufficient to keep the generators working at the required capacity for a greater proportion of the day or week. Higher energy requirements make a greater demand upon stored water.

Ogoki River and Long Lake Diversions

One of the more important actions taken during the past year for increasing Ontario's power supplies was the arrangement made with the United States whereby Canada is enabled to utilize immediately for the increase of power output at Niagara for war purposes an additional flow of water equivalent to that which will be added to the Great Lakes as a result of diverting water from portions of the Albany river watershed adjacent to the height-of-land north of lake Superior.

The Long Lake project was completed in 1938 and was used during 1940 for the transportation of pulp wood. Since the arrangement was reached with the United States the completed works have been used to divert some 1,100 cubic feet of water per second to the Great Lakes. Towards the end of the year work was started on the Ogoki diversion which, when completed in about two years' time, will divert an additional 4,000 cubic feet of water per second through the Nipigon lake and river to the Great Lakes. The ability to put to use an additional water flow of 5,000 cubic feet per second through the power plants on the Niagara river as a result of the friendly co-operation extended by the United States to the Dominion of Canada is of special and immediate value, both with respect to peak demands and energy requirements.

St. Lawrence River Project

Although the diversions into the Great Lakes from northern Ontario have been dealt with on the basis of a friendly understanding with the United States, they have, of course a bearing upon the much larger considerations relating to the improvement of the St. Lawrence river for navigation and for power. This subject is again prominently before the people of Eastern Canada and in connection with future power resources of Ontario is of basic importance. The St. Lawrence river improvement is undoubtedly an enterprise that will profoundly influence the growth and progress, not only of Ontario and Quebec, but of the whole of Canada. As a project it is now linked up with the steps being taken jointly by the United States and Canada for the defence of the Americas. It is evident that changing world conditions must profoundly modify many of the views previously held respecting this great undertaking. During the past year certain investigations and studies relating to power development on the international section of the river were carried on by the Commission. United States authorities also were actively investigating this project and several joint meetings of the technical advisers of each country were held during the year.

Operating Conditions

No special operating difficulties were experienced during the year. Service interruptions were few and no major failure of equipment occurred. Precipitation on most of the watersheds supplying the Commission's generating stations was sub-normal early in the year but the spring run-off filled the storage reservoirs and water conditions at the close of the year were satisfactory.

Interruptions to service due to lightning, sleet and gales were relatively few and little damage was done to lines or equipment. There was only one complete interruption during the year on the 220,000-volt lines supplying power to the Niagara system from eastern sources.

To an increasing degree generating plants and transmission and distribution net-works operated by the Commission on behalf of the various co-operative systems and Northern Ontario Properties tend year by year to become linked together, in so far as the physical properties are concerned. Thus, the Niagara system is linked to the Georgian Bay system by frequency-changers at Mount Forest and Hanover. It is also linked to the Eastern Ontario system by a frequency-changer at Chats Falls. These frequency-changers and their associated tie transmission lines are of sufficient capacity to permit interchange of substantial blocks of power from one system to another, so that diversity in the time of peak load, fluctuating energy requirements, or variations in power supplies available from different power plants, may all be co-ordinated to smooth out the demand curve to the advantage of the inter-connected systems.

Not only are the Commission's own plants inter-connected but connections are also available to certain municipal and privately owned local systems. At times during the past year the Commission was able through these connections to render valuable assistance to the local systems of the Orillia Water, Light and Power Commission, the Rideau Power Company, the corporation of Fenelon Falls, the Campbellford Water and Light Commission, and the municipality of Renfrew, when the output of their own generating facilities was restricted by conditions beyond their control.

The pooling of power resources by the co-operative systems of southern Ontario contributes to the advantage of all three systems, as it reduces the amount of reserve plant required. Instead of three different reserves of plant capacity being maintained, all reserve plant becomes available to any system. In northern Ontario also, inter-connection by means of long tie lines has been beneficial between certain districts. For example, the inter-connection between the generating stations serving the Patricia-St. Joseph district previously made, was of special benefit in 1940 as it enabled the Commission to

DISTRIBUTION OF PRIMARY POWER TO SYSTEMS

20-MINUTE PEAK HORSEPOWER—SYSTEM COINCIDENT PRIMARY PEAKS

System	1939	1940
	October	
Niagara System—25-cycle	1,171,582	1,237,802
Dominion Power & Transmission division—66 2/3 cycle	56,970	50,134
Georgian Bay system	34,756	42,217
Eastern Ontario system	141,908	154,207
Thunder Bay system	96,160	97,855
Manitoulin rural power district	273	330
Northern Ontario Properties:		
Nipissing district	5,188	5,121
Sudbury district	19,740	17,208
Abitibi district	130,968	164,879
Patricia-St. Joseph district	11,792	14,209
Total	1,669,337	1,783,962
	December	
Niagara system—25-cycle	1,253,754	1,317,158
Dominion Power & Transmission division—66 2/3 cycle	59,249	50,670
Georgian Bay system	37,642	47,118
Eastern Ontario system	145,542	153,164
Thunder Bay system	85,328	91,488
Manitoulin rural power district	306	386
Northern Ontario Properties:		
Nipissing district	5,232	5,147
Sudbury district	20,275	19,249
Abitibi district	145,703	165,281
Patricia-St. Joseph district	12,440	14,826
Total	1,765,471	1,864,487

transfer to the Ear Falls generating station part of the load carried on the Rat Rapids generating station. This was done for the purpose of raising the level of the English river below Ear Falls to improve navigation and also to limit the draw-down of the elevation of lake St. Joseph.

Load Conditions

Increased deliveries of power for war industries, and increased use of power for commercial, domestic and rural service, all stimulated by the increased industrial demand, featured the operations of the Commission during 1940. For the war industries additional power in large amounts was required and supplied. As was forecast last year, all these extra demands were satisfactorily met and attention was directed to the various means of ensuring ample supplies of power for the future.

DISTRIBUTION OF POWER TO SYSTEMS—PRIMARY AND SECONDARY

20-MINUTE PEAK HORSEPOWER—SYSTEM COINCIDENT PRIMARY PEAKS

System	1939	1940
	October	
Niagara system—25-cycle	1,358,177	1,375,335
Dominion Power & Transmission division—66 2/3 cycle	56,970	50,134
Georgian Bay system	34,756	42,217
Eastern Ontario system	168,958	154,207
Thunder Bay system	118,740	97,855
Manitoulin rural power district	273	330
Northern Ontario Properties:		
Nipissing district	5,188	5,121
Sudbury district	19,740	17,208
Abitibi district	188,877	197,453
Patricia-St. Joseph district	11,792	14,209
Total	1,963,471	1,954,069
	December	
Niagara system—25-cycle	1,448,928	1,528,418
Dominion Power & Transmission division—66 2/3 cycle	59,249	50,670
Georgian Bay system	38,145	47,118
Eastern Ontario system	155,214	153,164
Thunder Bay system	122,413	92,641
Manitoulin rural power district	306	386
Northern Ontario Properties:		
Nipissing district	5,232	5,147
Sudbury district	20,275	19,249
Abitibi district	197,982	208,981
Patricia-St. Joseph district	12,440	14,826
Total	2,060,184	2,120,600

Up to September 1940 the increase of the total primary peak load for all systems, was about 14 per cent, or little more than 200,000 horsepower. During October, November and December the monthly increases for total primary load ranged between 6 and 7 per cent, increases of 100,000 to 120,000 horsepower over corresponding months in 1939. This lower apparent rate of increase was due in part to the continuation of daylight-saving time in many municipalities of the Niagara system, and also in part to the fact that in the corresponding months of 1939 a rapid growth in load had taken place.

It is not possible to evaluate with exactness the effect of the extension of daylight-saving time. However, taking into consideration the various factors involved, it is estimated that the reduction in peak load attributable to this cause was, during the closing months of 1940, from 65,000 to 85,000 horsepower. Making the appropriate adjustment for this factor the average of the monthly primary peak loads during 1940 was nearly 24 per cent higher than in 1938, an average gain of about 12 per cent per year for the two years.

The total output of energy in all systems for primary purposes in the fiscal year was 7,838,000,000 kilowatt-hours, being 19 per cent greater than the corresponding output of energy in the previous year and by far the largest output of primary energy delivered by the Commission in any one year. The higher increase in energy consumption, as compared with the increase in peak demand, reflects longer hours of use in war-time production.

In addition to meeting all primary demands the Commission utilized its reserve capacity to produce an additional 1,850,000,000 kilowatt-hours for secondary power purposes during the year. Much of this was employed in war materials production.

Increased Mining Load

Again, as for several years past, a remarkable growth in load took place in the northern Ontario mining fields. The average of the monthly peaks of the total primary load of all districts was about 20 per cent higher than in the previous year. In December 1940, the combined monthly primary peak of the Northern Ontario Properties reached about 205,000 horsepower.

The accompanying tabulation gives for the months of October and December, 1939 and 1940, the primary peak loads of the co-operative systems and of the several districts of the Northern Ontario Properties. It also gives similar data for the total primary and secondary loads.

Additions to Generating, Transmission and Distributing Equipment

The multiplicity of demands for increased supplies of electricity throughout the Province as a result of war activities, and the increased demand for power for commercial, domestic and general industrial use, makes necessary not only the provision of additional power supplies but also the construction of transmission lines and transformer stations for the wholesale delivery of the power, and a great increase in distribution facilities throughout the Province.

This heavy demand for additional electrical service during the past year has necessitated an amount of engineering and administrative work that is unprecedented in the Commission's history. The aim of the Commission has been not merely to supply a demand that has materialized but to anticipate where possible demands for Hydro service for war purposes.

The extension to the Ear Falls development in northern Ontario referred to in last year's report was completed in June 1940. The unit added, first placed in service in January, has a rated capacity of 7,500 horsepower under a head of 36 feet. The total installed capacity in this development is now 17,500 horsepower.

To serve the growing demands of the Georgian Bay system, work was commenced on the Big Eddy development on the Musquash river. This is situated about nine miles below Bala and four miles below the Ragged Rapids generating station which was brought into service in 1938. It will have a turbine capacity of 10,000 horsepower under a head of 36 feet and will contain two units. It is expected to come into operation in November 1941.

In the Eastern Ontario system, plans were made for a development at Barrett Chute on the Madawaska river. This development is situated about five miles above Calabogie village. It will contain two units with a total rated capacity of 56,000 horsepower under a head of 154 feet. To improve the run-off on this river the Commission is constructing a storage dam at the outlet of Bark lake about 67 miles up-stream from Barrett Chute. Both the development and the storage works are expected to be available for service in 1942.

Before the war the Commission planned and in part carried out a general strengthening of its transmission lines and distribution networks. Since the war started further improvements have been made in many areas. In July 1940 a new 110,000-volt single-circuit line on steel towers between St. Thomas and Windsor was placed in service. This line, which has a capacity equal to the other two existing lines on double-circuit towers, has greatly improved operating conditions for the western section of the Niagara system.

In the eastern section of the Province substantial progress was made on the construction of a new 220,000-volt line which, when completed, will extend from the eastern boundary of the Province, the Quebec border, to a new transformer station being constructed at Burlington. At the end of December about 225 miles of towers and footings had been erected and 125 miles of conductor had been strung.

The receiving transformer station is being designed for an ultimate capacity of 450,000 kv-a. The initial installation will be two banks of three 25,000-kv-a single-phase transformers together with necessary equipment. Other activities in connection with the Niagara system include the completion of three large transformer stations at Toronto, Thorold, and near Simcoe. Another transformer station is under construction at Hamilton and additional transformer capacity has been installed at many other stations.

In the Georgian Bay system at the Hanover frequency-changer station an additional unit of 6,750 kv-a was installed. It is operated in parallel with the original 5,000-kv-a unit for the interchange of power with the Niagara system.

In the Eastern Ontario system the capacity of the Ottawa transformer station was increased; a new transformer station was constructed to supply power to the National Research Council, and additional capacity provided at many distributing stations.

In Northern Ontario more than 43 miles of transmission circuits were erected and additional transformer capacity was installed at many stations distributing power to the mines.

In rural Ontario the construction of about 1,400 miles of rural primary line was authorized to serve applications from some 10,000 new rural consumers.

Research Work

Since the last war an important contribution to the growth and progress of this Dominion as a scientific and industrial state has been made by research workers. Fortunately Canada has been farsighted in supporting this fundamental aid to industrial progress.

The Testing and Research Laboratory of the Commission is giving valuable technical assistance to the Department of Munitions and Supply and to the United Kingdom Technical Commission in connection with electrical matters.

Capital Expenditure

Extensions to generating stations, transmission lines, rural distribution networks, storage works, etc., during the year necessitated a capital expenditure of $11,188,042.25 as compared with $9,136,803.86 in the previous year. In the co-operative systems, apart from rural extensions, the chief capital expenditures were made for important extensions and additions to transmission lines and to transformer stations. In the Northern Ontario Properties, the chief capital expenditures made were for extensions to transmission lines and transformer stations feeding mining properties.

CAPITAL ADDITIONS YEAR ENDED OCTOBER 31, 1940

Niagara system	$ 5,602,497.12
Georgian Bay system	716,504.64
Eastern Ontario system	2,003,857.22
Thunder Bay system	83,719.17
Northern Ontario Properties (including northern rural power districts)	511,674.60
Bonnechere River storage	**51,741.88*
Service and administrative buildings and equipment	769,303.97
	$ 9,635,814.84
Provincial rural grant (To October 31)	1,552,227.41
Total	$11,188,042.25

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*Credit.

Efficient Utilization of Hydro Service

The Commission's programme of sales promotion was necessarily modified during the past year to meet the changed conditions imposed by the war. A large number of factory inspections were made, and special engineering reports prepared, to assist plants producing war materials to operate more efficiently. This free engineering advisory service on lighting, motive power, and heat treatment, was welcomed and used to excellent advantage by many industrial organizations throughout the Province.

While increasing attention was given to this industrial work, domestic and rural problems were not overlooked. In the rural area, in particular, every effort was made to foster the use of electricity on the farm in ways that would release manpower and enable the farmer to produce in greater volume at lower cost.

CAPITAL INVESTMENT

The total capital investment of The Hydro-Electric Power Commission of Ontario in power undertakings is $328,910,813.56 exclusive of government grants in respect of construction of rural power districts' lines ($18,148,898.04); and the investment of the municipalities in distributing systems and other assets is $120,127,058.33, making in power undertakings a total investment of $449,037,871.89.

The following statement shows the capital invested in the respective systems, districts and municipal undertakings, etc.:

Niagara system (including Hamilton street railway)	$224,124,468.65
Georgian Bay system	12,419,752.16
Eastern Ontario system	24,689,319.20
Thunder Bay system	20,019,567.12
Office and service buildings	3,286,390.35
Construction plant and inventories	3,595,974.55
Total capital investments in co-operative systems	$288,135,472.03
Northern Ontario Properties—Operated by H-E.P.C. on behalf of the Province of Ontario	40,585,656.50
Northern Ontario Properties—Construction plant and inventories	189,685.03
Total Commission capital investments	$328,910,813.56
Municipalities' distribution systems	97,914,199.95
Other assets of municipal Hydro utilities	22,212,858.38
Total	449,037,871.89

RESERVES OF COMMISSION AND MUNICIPAL ELECTRICAL UTILITIES

The total reserves of the Commission and the municipal electric utilities for depreciation, contingencies, stabilization of rates, sinking fund and insurance purposes, amount to $232,644,302.88, made up as follows:

Niagara system (including Hamilton street railway)	$ 96,518,350.08
Georgian Bay system	5,622,646.91
Eastern Ontario system	11,351,216.08
Thunder Bay system	7,814,180.44
Office and service buildings and equipment	1,143,710.49
Total reserves in respect of co-operative systems' properties	$122,450,104.00
Northern Ontario Properties	8,809,210.02
Fire insurance reserve	88,936.24
Miscellaneous reserves	383,250.87
Employers' liability insurance, and staff pension reserves	7,709,382.00
Total reserves of the Commission	$139,440,883.13
Total reserves and surplus of municipal electric utilities	93,203,419.75
Total Commission and municipal reserves	232,644,302.88

Financial Operating Results for 1940

Increase in the use of power in industry, caused by the intensified war effort, had a notable effect upon revenues of the Commission. Sales of power direct to large industries increased the revenues of the Niagara and other co-operative systems by some $2,200,000, notwithstanding that the increased demand for primary power restricted the amount of energy available for sale as secondary power. The war effort also increased the power demands of many municipalities as compared with the previous year, particularly during the first eleven months. In October 1940, the extension of daylight-saving time lessened the increases in municipal loads and in the consequent revenue derived by the Commission.

For all classes of service combined, the increase in revenue was more than $4,750,0C0 or about 14.5 per cent for the four systems operated on behalf of municipalities. The increase in expense for power purchased, for operation, maintenance and administration and for interest, including exchange premium, was less than 4 per cent. This made it possible for the Commission to set aside an increased provision for reserves, particularly for the rate stabilization funds. This action gives practical expression to the policy announced early in the war, of anticipating and as far as possible eliminating drastic changes in the interim rates for power during any period of post-war readjustment. At the same time it facilitates financing essential war-time construction.

The Northern Ontario Properties yielded an increase in revenue over 1939 figures of more than $800,000 or 19 per cent. As the increase in expense for operating items and interest charges was only some $250,000, there is an increased balance available for reserves.

Revenue of Commission

The revenue of the Commission at interim rates from the municipal utilities operating under cost contracts, from customers in rural power districts and from other customers with whom—on behalf of the municipalities—the Commission has special contracts, all within the Niagara, Georgian Bay, Eastern Ontario and Thunder Bay systems, aggregated $37,399,535.90. The revenue of the Commission from customers served by the Northern Ontario Properties, which are held and operated in trust for the Province, was $5,066,193.82, making a total of $42,465,729.72.

Summarized operating results of these co-operative systems and rural power districts and of the Northern Ontario Properties, follow:

SUMMARIZED OPERATING RESULTS

OF THE

NIAGARA, GEORGIAN BAY, EASTERN ONTARIO AND THUNDER BAY SYSTEMS

Revenue; amount received from or billed against municipalities and other customers		$32,788,823.55	
Revenue from customers in rural power districts		4,610,712.35	
Total revenue, systems and rural			$37,399,535.90
Operation, maintenance, administration, interest and other current expenses		$27,761,883.85	
Provision for reserves—			
Renewals	$2,275,830.30		
Contingencies and obsolescence	949,320.45		
Stabilization of rates	3,178,404.37		
Sinking fund	2,829,935.17		
		9,233,490.29	
			$36,995,374.14
Balance			$ 404,161.76

SUMMARIZED OPERATING RESULTS

OF THE

NORTHERN ONTARIO PROPERTIES

Held and operated by The Hydro-Electric Power Commission of Ontario
In trust for the Province of Ontario

Revenue; amount received from or billed against municipalities and other customers			$ 5,066,193.82
Operation, maintenance, administration, interest and other current expenses		$ 2,426,094.48	
Provision for reserves—			
Renewals	$ 325,420.82		
Contingencies and obsolescence	199,465.99		
Sinking fund	1,076,817.06		
		1,601,703.87	
			4,027,798.35
Balance			$ 1,038,395.47

COMPARATIVE FINANCIAL STATEMENTS

NIAGARA SYSTEM

	1939	1940
	$ c.	$ c.
Operating Expenses and Fixed Charges		
Power purchased	6,800,716.23	7,269,376.95
Operation, maintenance and administration	4,817,701.81	4,882,833.80
Interest	9,628,364.05	10,021,929.94
Provision for renewals	1,615,797.66	1,653,010.50
Provision for contingencies and obsolescence	* 53,995.92	651,619.25
Provision for stabilization of rates		2,487,721.50
Sinking fund	*2,240,773.12	2,264,519.95
TOTAL COST OF POWER	25,157,348.79	29,231,011.89
REVENUE from municipalities at interim rates, from rural consumers and from private customers under flat rate contracts	25,448,869.78	29,567,161.27
Net balance credited or (charged) to municipalities under cost contracts	291,520.99	336,149.38

EASTERN ONTARIO SYSTEM

	1939	1940
	$ c.	$ c.
Operating Expenses and Fixed Charges		
Power purchased	1,024,071.40	1,032,632.56
Operation, maintenance and administration	964,191.18	955,611.54
Interest	1,039,632.24	1,099,651.01
Provision for renewals	271,339.98	294,695.11
Provision for contingencies and obsolescence	* 75,032.15	77,174.16
Provision for stabilization of rates	177,396.00	397,653.37
Sinking fund	* 232,607.26	243,842.36
TOTAL COST OF POWER	3,784,270.21	4,101,260.11
REVENUE from municipalities at interim rates, from rural consumers and from private customers under flat rate contracts	3,787,621.56	4,180,236.52
Net balance credited to municipalities under cost contracts	3,351.35	78,976.41

*After reclassification on 1940 bases—See Reserves statements.

RESPECTING THE SYSTEMS OF THE COMMISSION

GEORGIAN BAY SYSTEM

	1939	1940
	$ c.	$ c.
Operating Expenses and Fixed Charges		
Power purchased	27,411.10	88,521.60
Operation, maintenance and administration	541,802.75	537,410.54
Interest	530,655.94	559,780.21
Provision for renewals	154,626.12	164,305.95
Provision for contingencies and obsolescence	35,903.73	36,253.18
Provision for stabilization of rates	94,107.00	167,806.82
Sinking fund	118,135.78	123,695.87
TOTAL COST OF POWER	1,502,642.42	1,677,774.17
REVENUE from municipalities at interim rates, from rural consumers and from private customers under flat rate contracts	1,461,012.60	1,660,138.13
Net balance credited or (charged) to municipalities under cost contracts	(41,629.82)	(17,636.04)

THUNDER BAY SYSTEM

	1939	1940
	$ c.	$ c.
Operating Expenses and Fixed Charges		
Operation, maintenance and administration	367,293.70	344,796.85
Interest	922,326.81	969,338.85
Provision for renewals	161,597.19	163,818.74
Provision for contingencies and obsolescence	* 181,073.70	184,273.86
Provision for stabilization of rates	46,158.54	125,222.68
Sinking fund	* 196,469.07	197,876.99
TOTAL COST OF POWER	1,874,919.01	1,985,327.97
REVENUE from municipalities at interim rates, from rural consumers and from private customers under flat rate contracts	1,879,467.85	1,991,999.98
Net balance credited or (charged) to municipalities under cost contracts	4,548.84	6,672.01

MUNICIPAL ELECTRIC UTILITIES

The following is a summary of the year's operation of the local electric utilities conducted by municipalities receiving power under cost contracts with the Commission:

Total revenue collected by the municipal electric utilities		$38,025,287.44
Cost of power	23,756,863.14	
Operation, maintenance and administration	6,114,892.07	
Interest	1,464,381.29	
Sinking fund and principal payments on debentures	2,389,723.60	
Depreciation and other reserves	2,644,127.10	
Total		36,369,987.20
Surplus		1,655,300.24

With regard to the local Hydro utilities operating under cost contracts, the following statements summarize for each of the four co-operative systems administered by the Commission, the financial status and the year's operations as detailed in Section X of the Report:

NIAGARA SYSTEM

The total plant assets of the Niagara system utilities amount to $81,328,811.01. The total assets, including an equity in the H-E.P.C. of $45,609,455.14 aggregate $144,568,329.62. The reserves and surplus accumulated in connection with the local utilities, exclusive of the equity in the H-E.P.C., amount to $75,337,559.11, an increase of $1,419,027.18 during the year 1940. The percentage of net debt to total assets is 18.6, a reduction of 2.4 per cent.

The total revenue of the municipal electric utilities served by this system was $30,677,444.27, an increase of $2,118,717.64 as compared with the previous year. After meeting all expenses in respect of operation, including interest, setting up the standard depreciation reserve amounting to $2,125,,698.12 and providing $2,223,707.93 for the retirement of instalment and sinking fund debentures, the total net surplus for the year for the muncipal electric utilities served by the Niagara system amounted to $1,280,866.74, as compared with $661,463.52 the previous year.

GEORGIAN BAY SYSTEM

The total plant assets of the Georgian Bay system utilities amount to $3,026,575.25. The total assets, including an equity in the H-E.P.C. of $1,697,365.75 aggregate $5,284,015.09. The reserves and surplus accumulated in connection with the local utilities, exclusive of the equity in H-E.P.C., amount to $3,192,112.33, an increase of $60,939.28 during the year 1940. The percentage of the net debt to total assets is 11.0, a reduction of 0.9 per cent.

The total revenue of the municipal electric utilities served by this system was $1,330,359.48, an increase of $67,474.96 as compared with the previous year. After meeting all expense in respect to operation, including interest, setting up the standard depreciation reserve amounting to $95,072.85 and providing $45,099.86 for the retirement of instalment and sinking fund debentures, the total net loss for the year for the municipal electric utilities served by the Georgian Bay system amounted to $18,182.98 as compared with a loss of $26,897.01 the previous year.

EASTERN ONTARIO SYSTEM

The total plant assets of the Eastern Ontario system utilities amount to $9,392,825,41. The total assets including an equity in the H-E.P.C. of $2,440,518.23, aggregate $14,640,965.26. The reserves and surplus accumulated in connection with the local utilities, exclusive of the equity in H-E.P.C., amount to $10,243,898.36, an increase of $642,560.31 during the year 1940. The percentage of net debt to total assets is 9.7, a reduction of 1.9 per cent.

The total revenue of the municipal electric utilities served by this system was $4,051,036.67, an increase of $294,312.10 as compared with the previous year. After meeting all expenses in respect to operation, including interest, setting up the standard depreciation reserve amounting to $254,994.50 and providing $101,843.09 for the retirement of instalment and sinking fund debentures, the total net surplus for the year for the municipal electric utilities served by the Eastern Ontario system amounted to $290,513.86 as compared with $162,451.40 the previous year.

THUNDEP BAY SYSTEM

The total plant assets of the Thunder Bay system utilities amount to $2,887,304.27. The total assets, including an equity in the H-E.P.C. of $2,710,337.64, aggregate $6,535,501.20. The reserves and surplus accumulated in connection with the local utilities, exclusive of the equity in H-E.P.C., amount to $3,341,359.07, an increase of $55,896.33 during the year 1940. The percentage of net debt to total assets is 9.6 a decrease of 0.2 per cent.

The total revenue of the municipal electric utilities served by this system was $1,336,533.62, an increase of $97,291.79 as compared with the previous year. After meeting all expenses in respect of operation, including interest, setting up the standard depreciation reserve amounting to $48,060.93 and providing $9,273.30 for the retirement of instalment and sinking fund debentures, the total net loss for the year for the municipal electric utilities served by the Thunder Bay system amounted to $21,400.66, as compared with a net loss of $11,352.00 for the previous year.

* * *

In concluding this review of the 1940 activities of the Commission reference should once again be made to the excellent co-operation the Commission has received from the partner municipalities and all officials of the local Hydro utilities. Without the whole-hearted support that has been given, the Commission's task in meeting the power demands of the war year of 1940 would have been much more difficult.

My colleagues, the Hon. William L. Houck and Mr. J. Albert Smith, join with me in acknowledging the faithful and efficient service given by the Commission's staff, many of whom have worked exceptionally long hours to meet war-time emergencies. Our thanks are also extended to the Press for its continued interest and support.

Respectfully submitted,

T. H. HOGG,
Chairman

Toronto, Ontario, March 31st, 1941.

T. H. Hogg, Esq., B.A.Sc., C.E., D.Eng.,
Chairman, The Hydro-Electric Power Commission of Ontario,
Toronto, Ontario.

Sir:

I have the honour to submit, herewith, the Thirty-third Annual Report of The Hydro-Electric Power Commission of Ontario for the fiscal year which ended October 31, 1940. This report covers the operations of the Commission with regard to the supply of power to, or on behalf of, the partner Municipalities of the several Co-operative Systems, as well as the administration of the Northern Ontario Properties, which are held and operated by the Commission in trust for the Province of Ontario.

I have the honour to be, Sir,

Your obedient servant,

Osborne Mitchell,
Secretary.

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Transmission Lines and Stations of the Northern Ontario Properties At end of volume

THIRTY-THIRD ANNUAL REPORT

OF

The Hydro-Electric Power Commission of Ontario

FOREWORD

and

Guide to the Report

THE Hydro-Electric Power Commission of Ontario administers a co-operative municipal-ownership enterprise, supplying power throughout the Province of Ontario. The Commission was created in 1906 by special act of the Legislature and followed investigations by advisory commissions appointed as a result of public agitation to conserve the water powers of Ontario as a valuable asset of the people and to provide a more satisfactory supply of low-cost power in Scuthern Ontario. In 1907 The Power Commission Act (7-Edward VII Ch. 19) was passed amplifying and extending the Act of 1906 and this Act—modified by numerous amending acts which now form part of the Revised Statutes of Ontario, 1937, Chap. 62—constitutes the authority under which the Commission operates.

The Hydro-Electric Power Commission of Ontario consists of a Chairman and two Commissioners, all of whom are appointed by the Lieutenant-Governor-in-Council to hold office during pleasure. One of the Commissioners must be a member of the Executive Council and two may be members.

In 1909, work was commenced on a comprehensive transmission system and by the end of 1910 power was being supplied to several municipalities.

The Commission has now been supplying electrical energy for more than thirty years and the Report contains diagrams depicting the growth of the enterprise. During this period the costs of electricity to the consumer have been substantially reduced and the finances of the enterprise have been established on a secure foundation.

At the end of 1940 the Commission was serving 886 municipalities in Ontario. This number included 26 cities, 104 towns, 304 villages and police villages and 452 townships. With the exception of 14 suburban sections of townships known as "voted areas", the townships and 119 of the smaller villages are served as parts of 184 rural power districts.

Financial Features of Co-operative Systems

The basic principle governing the financial operations of the undertaking is, that electrical service be given by the Commission to the municipalities and by the municipalities to the ultimate consumers at cost. Cost includes not only all operating and maintenance charges, interest on capital investment and reserves for renewals or depreciation, for obsolescence and contingencies, and for stabilization of rates, but also a reserve for sinking fund or capital payments on debentures.

The undertaking from its inception has been entirely self-supporting and no contributions have been made from general taxes except in connection with service in rural power districts. In this case, the Province, in pursuance of its long established policy of assisting agriculture and with the approval of the urban citizens, assists extension of rural electrical service by a grant-in-aid of the capital cost and in other ways as specified and detailed in the Report.

As the principle of "service at cost" is radically different from that obtaining in private organizations, where profit is the governing feature, it naturally results in different and in some ways unique administrative features.

The undertaking as a whole involves two distinct phases of operations as follows:

The *First* phase of operations is the provision of the electrical power—either by generation or purchase—and its transformation, transmission and delivery in *wholesale* quantities to individual municipal utilities, to large industrial consumers, and to rural power districts. This phase of the operations is performed by The Hydro-Electric Power Commission of Ontario as trustee for the municipalities acting collectively in groups or "systems," and the financial statements relating to these collective activities of the municipalities are presented in Section IX of the Report. Each system of municipalities, as provided in *The Power Commission Act*, forms an independent financial unit and the accounts are therefore segregated and separately presented for each system. In order, however, that there may be a comprehensive presentation of the co-operative activities of the undertaking as a whole, there are presented, in addition, for the four main systems and miscellaneous co-operative activities, a balance sheet of assets and liabilities, a statement of cost distributions, a tabulation of fixed assets, and summary combined statements respecting the various reserves.

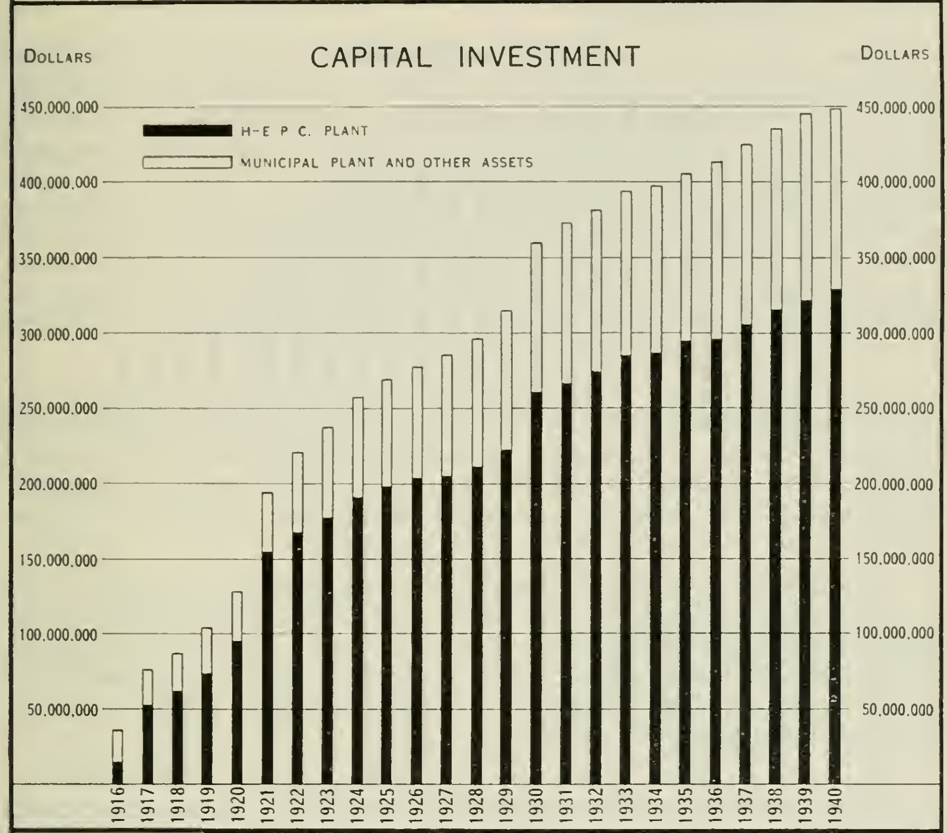
The *Second* phase of operations is the *retail* distribution of electrical energy to consumers within the limits of the areas served by the various municipal utilities and rural power districts. In the case of rural power districts which usually embrace portions of more than one township, The Hydro-Electric Power Commission not only provides the power at wholesale, but also —on behalf of the respective individual townships—attends to all physical and financial operations connected with the distribution of energy at retail to the consumers within the rural power districts. Summary financial statements relating to the rural power districts are also presented in Section IX of the Report, and a general report on their operation is given in Section III.

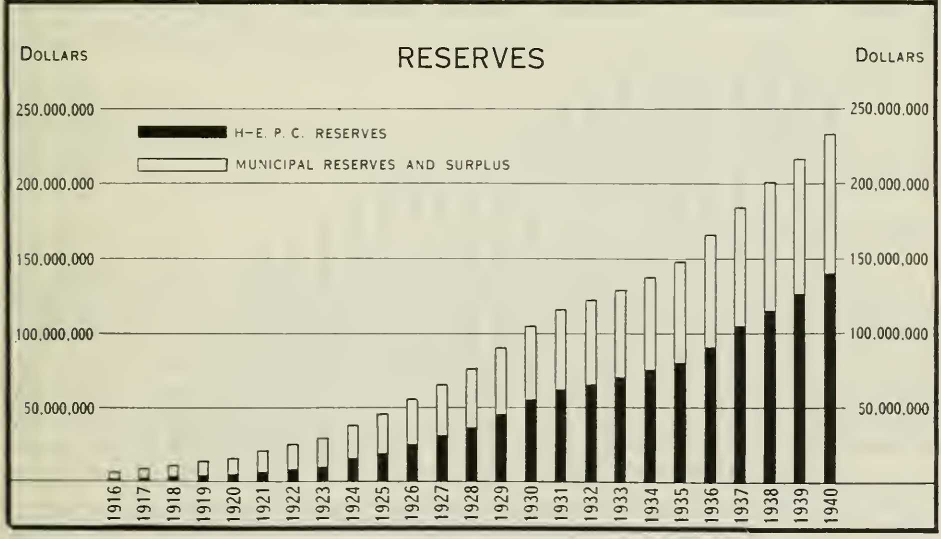
In the case of cities, towns, many villages and certain thickly populated areas of townships, retail distribution of electrical energy provided by the Commission is in general conducted by individual local municipal utility commissions under the general supervision of The Hydro-Electric Power Commission of Ontario. The balance sheets, operating reports and statistical data relating to the individual urban electrical utilities are presented in Section X of the Report.

For the Northern Ontario Properties held and operated by the Commission in trust for the Province there are also presented in Section IX financial statements including a balance sheet, an operating account, and statements respecting reserves and capital expenditures.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

TWENTY-FIVE YEARS RECORD—ALL SYSTEMS





Further details respecting administration, and explanations of the financial tables presented in the Report are given in the introductions to sections IX and X on pages 103 and 187.

Co-operative Systems Operating

From time to time in accordance with provisions in *The Power Commission Act* various groups of municipalities have been co-ordinated to form systems for the purpose of obtaining power supplies from convenient sources. In some cases these small systems grew until their transmission lines interlocked with those of adjacent systems and it proved beneficial to consolidate the transmission networks and the financial and administrative features. In the well settled parts of the Province, known as Old Ontario, this process has now reached a more stable condition and the municipalities of the southern part of the Province are now combined in three systems: the Niagara system, the Georgian Bay system and the Eastern Ontario system. One other system of partnership municipalities is known as the Thunder Bay system.

The Niagara System is the largest and most important system. It embraces municipalities in all the territory between Niagara Falls, Hamilton and Toronto on the east and Windsor, Sarnia and Goderich on the west. It is served with electrical energy generated at plants on the Niagara river, supplemented with power transmitted from generating plants on the Ottawa river and with power purchased from Quebec companies.

The Georgian Bay System comprises municipalities in that part of the Province which surrounds the southern end of Georgian Bay and lies to the north of the territory served by the Niagara system. It includes the districts surrounding lake Simcoe and extends as far north as Huntsville in the Lake of Bays district and south to Port Perry. Its power supplies are derived chiefly from local water power developments.

The Eastern Ontario System serves all of Ontario east of the areas comprising the Georgian Bay and the Niagara systems. It includes the districts of Central Ontario, St. Lawrence, Rideau, Ottawa and Madawaska; formerly separate systems. Its power supplies are from local developments supplemented by purchases from other sources.

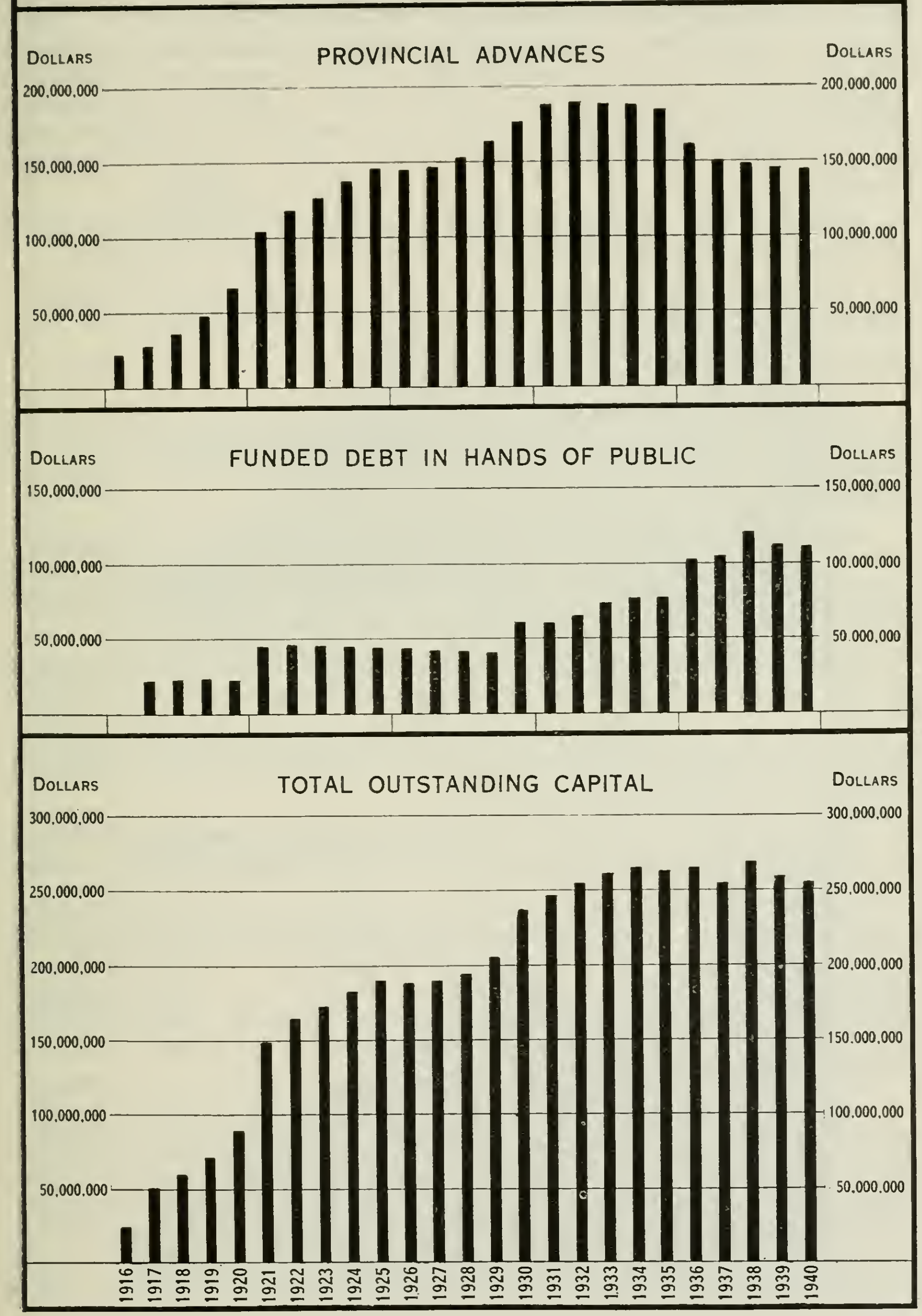
The Thunder Bay System comprises the cities of Port Arthur and Fort William, adjacent rural sections, the village of Nipigon, and the mining district of Longlac. Two developments on the Nipigon river supply power.

Northern Ontario Properties

In addition to its operations on behalf of the partner municipalities, the Commission, under an agreement with the Province, holds and operates the Northern Ontario Properties in trust for the Province. For the purposes of financial administration these properties are treated as one unit. The Northern Ontario Properties lie in the portion of the Province north of Lake Nipissing and French River areas, exclusive of the territory served by the Thunder Bay system. The principal areas in this vast territory at present receiving service are the *Nipissing District* centering around the city of North Bay on the shore of lake Nipissing; the *Sudbury District* comprising the city of Sudbury and the adjacent mining area known as Sudbury Basin; the *Abitibi*

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

PROVINCIAL ADVANCES AND FUNDED DEBT



District comprising the territory served by 25-cycle power from the Abitibi Canyon development, together with a small area in the southern portion of the district of Sudbury in which mining properties are served with 60-cycle power; the *Patricia-St. Joseph District* comprising the territory within transmission distance of the Ear Falls development at the outlet of lac Seul on the English river including the Red Lake mining area, and the territory immediately north of lake St. Joseph in the territorial district of Patricia served with power from a development at Rat Rapids on the Albany river. Included in the Northern Ontario Properties are rural power districts on Manitoulin island, and others adjacent to the communities served in the various districts of Northern Ontario.

The geographic boundaries of the various systems and districts are shown on the maps of transmission lines and stations at the back of the Report.

The power supplies for the systems and Northern Ontario districts are listed in the first table of Section II of the Report on pages 8 and 9.

The Annual Report

The table of contents, pages xxi and xxii lists the matters dealt with in the Report. At the end of the Report there is a comprehensive index. To those not conversant with the Commission's Reports, the following notes will be useful.

In Section II, pages 7 to 34, dealing with the operations of the systems, are a number of diagrams showing graphically the monthly loads on the several systems and districts. Tables are also presented showing the amounts of power taken by the various municipalities during the past two years.

The rural distribution work of the Commission has proved of widespread interest and special reference to this is made in Section III on pages 41 to 60.

In Sections V and VI will be found information respecting progress of work on new power developments and on transmission system extensions, together with photographic illustrations.

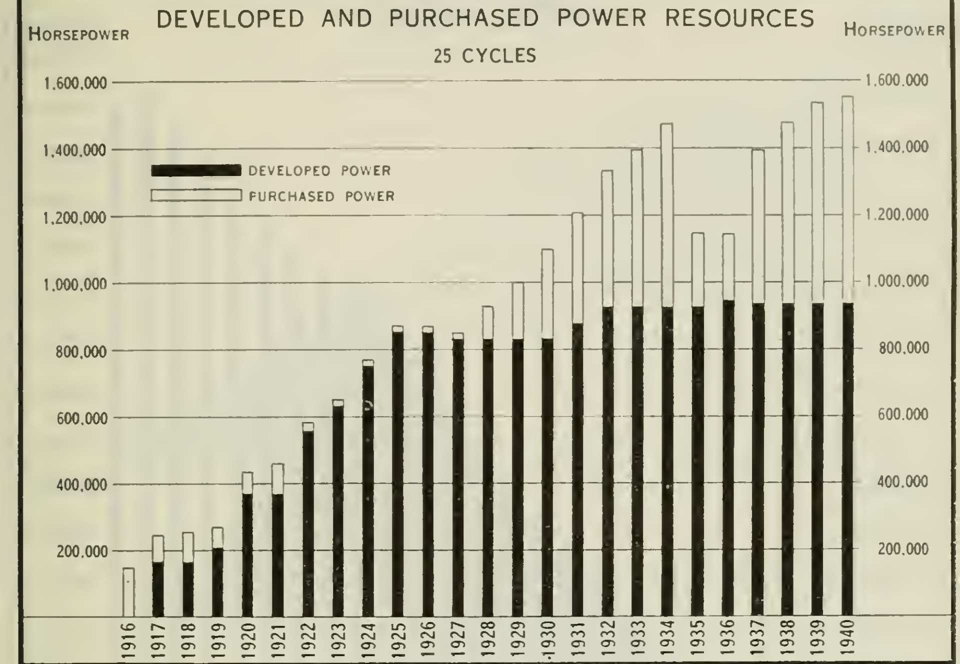
About one-half of the Report is devoted to financial and other statistical data which are presented in two sections IX and X already referred to above.

Frequent enquiries for the rates for service to consumers are received by the Commission. For the urban municipalities served by the Commission these are given in statement "E" starting on page 344. For the rural power districts they are given in a table starting on page 52. Certain statistical data resulting from the application of the rates in urban utilities are given in statement "D". This statement is prefaced by a special introduction starting on page 326.

In its Annual Reports the Commission aims to present a comprehensive statement respecting the activities of the whole undertaking under its administration. Explanatory statements are suitably placed throughout the Report. The Commission receives many letters asking for general information respecting its activities, as well as requests for specific information concerning certain phases of its operations. In most cases the enquiries can satisfactorily be answered by simply directing attention to information presented in the Annual Report.

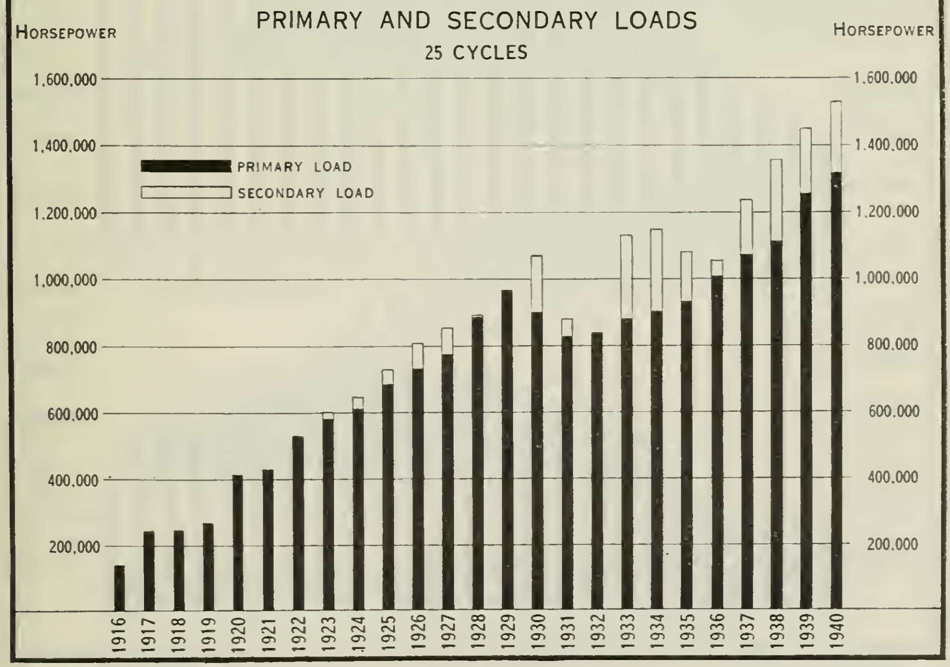
THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

TWENTY-FIVE YEARS RECORD — NIAGARA SYSTEM



DEVELOPED AND PURCHASED POWER RESOURCES

25 CYCLES



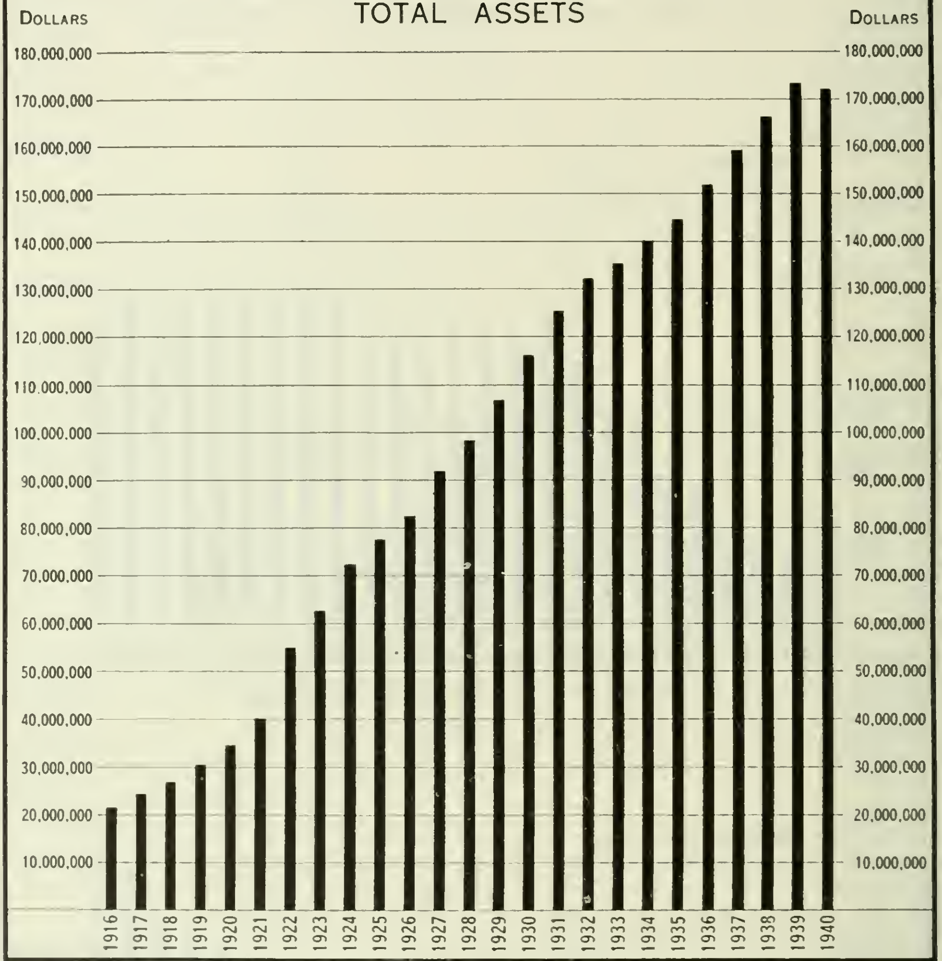
PRIMARY AND SECONDARY LOADS

25 CYCLES

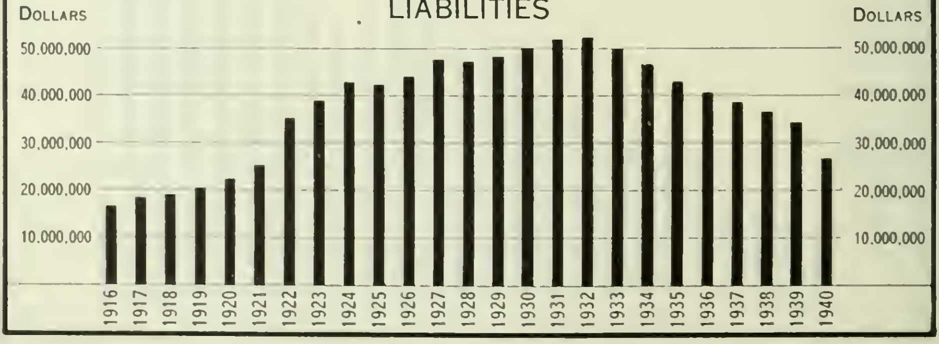
The Hydro-Electric Power Commission Of Ontario

HYDRO UTILITIES OF CO-OPERATING URBAN MUNICIPALITIES
TWENTY-FIVE YEARS RECORD

TOTAL ASSETS

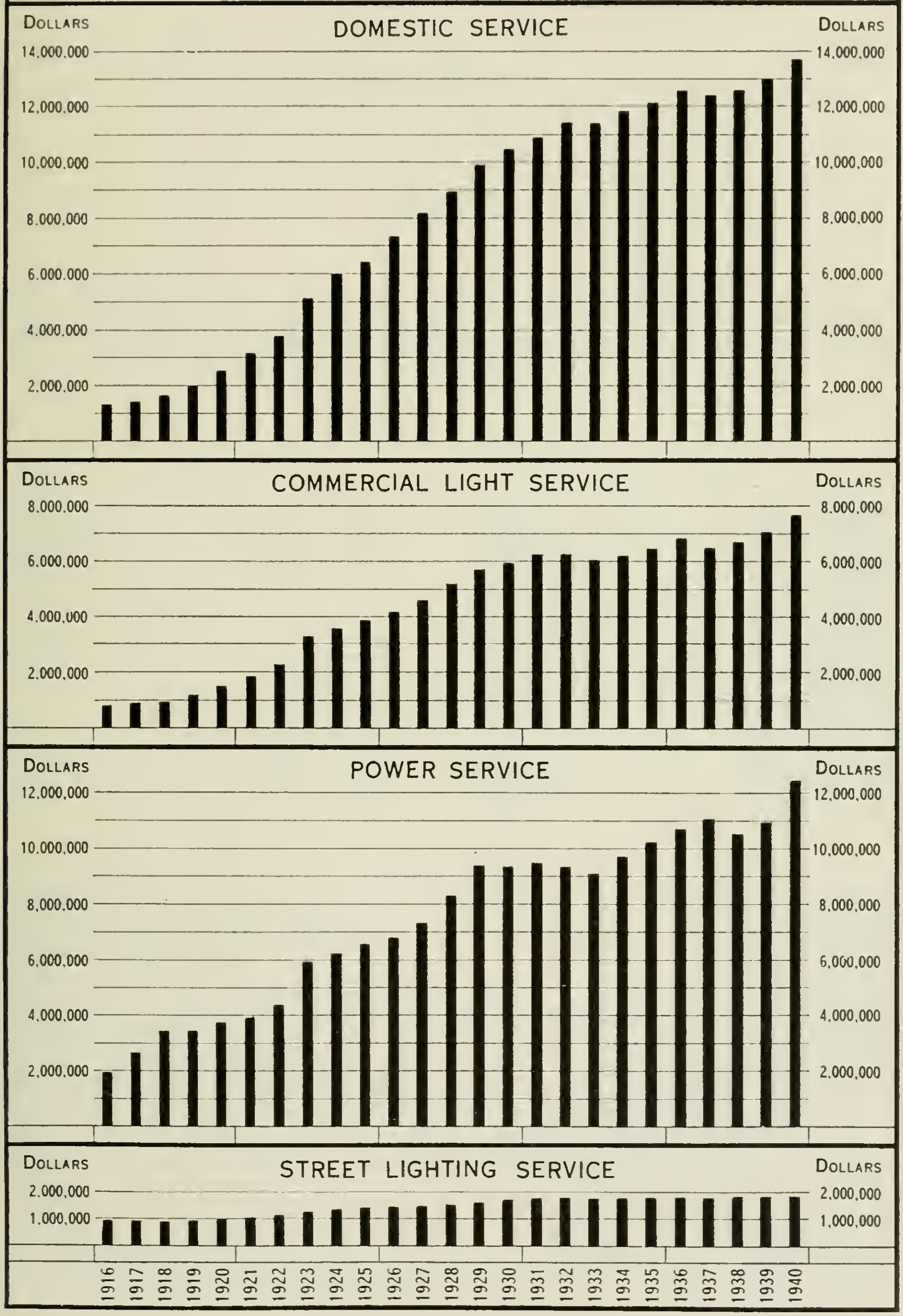


LIABILITIES



The Hydro-Electric Power Commission Of Ontario

HYDRO UTILITIES OF CO-OPERATING URBAN MUNICIPALITIES
TWENTY-FIVE YEARS REVENUES



SECTION I

LEGAL

THE agreements between The Hydro-Electric Power Commission of Ontario and municipalities and corporations mentioned in the list hereunder given were approved by Orders-in-Council.

CO-OPERATIVE SYSTEMS

Villages

Iroquois	Jan. 24, 1940
Killaloe Station	April 30, 1940
Omemee	Dec. 4, 1939
Sturgeon Point	Aug. 10, 1940

Police Village

Smithville	Nov. 21, 1940

Townships

Bayham	Mar. 4, 1940
Cardiff	Dec. 15, 1939
Chandos	July 31, 1940

Townships

Christie	April 20, 1940
Clarendon and Miller	July 5, 1940
Dunwich	Oct. 7, 1940
Front of Yonge	April 3, 1940
Glamorgan	Jan. 8, 1940
Guelph	Dec. 15, 1939
Hagarty and Richards	Feb. 5, 1940
King	Dec. 15, 1939
Lindsay	April 13, 1940
Lochiel	April 9, 1940
Monmouth	Dec. 15, 1939
Mountain	Jan. 30, 1940
Nelson	Oct. 30, 1940
St. Edmunds	April 15, 1940
Wollaston	July 20, 1940

Corporations

Atlas Steels Limited	Feb. 19, 1940
Bata Import & Export Company Limited	May 7, 1939
Bata Shoe Company of Canada Limited	Oct. 17, 1940
Best Yeast Limited	May 1, 1940
Caldwell Linen Mills, Limited	Aug. 3, 1940
Canada Cement Company Limited	May 7, 1940
Canadian Bridge Company Limited and Canadian Steel Corporation Limited	Aug. 19, 1940
Consolidated Sand & Gravel Limited	June 24, 1940
Davis Leather Company, Limited	Oct. 1, 1938
Gypsum Lime and Alabastine, Canada Limited	Oct. 26, 1940
His Majesty The King, represented by The Minister of National Defence for Canada	April 24, 1940
His Majesty The King, represented by The Minister of National Defence for Air	Nov. 6, 1940
The Honorary Advisory Council for Scientific and Industrial Research (Firm Power)	Jan. 16, 1940
The Honorary Advisory Council for Scientific and Industrial Research (At-will Power)	Jan. 16, 1940
Lionite Abrasives Limited	May 1, 1940
Robin Hood Flour Mills, Limited	July 29, 1940
Robin Hood Flour Mills, Limited (amending)	Feb. 4, 1941
Small Arms, Limited	Nov. 26, 1940

NORTHERN ONTARIO PROPERTIES

CITIES

North Bay	Oct. 25, 1940
Sudbury	Jan. 2, 1940

TOWNSHIPS

Alberton	Feb. 12, 1940
Chapple	Mar. 2, 1940
East Ferris	April 8, 1940
Himsworth North	May 15, 1940
Howland	Jan. 8, 1940

CORPORATIONS

Bonetal Gold Mines Limited	Oct. 12,1940
Cochenour-Willans Gold Mines Limited	May 29, 1940
Golden Gate Mining Co. Limited	June 15, 1940
Lake Shore Mines Limited	Feb. 21, 1940
McMarmac Red Lake Gold Mines Limited	Dec. 20, 1939
McMarmac Red Lake Gold Mines Limited	Aug. 2, 1940

RIGHT-OF-WAY AND PROPERTY

THE increased scale of operations, closely associated with Canada's war effort, resulted in a 35 per cent increase in right-of-way requirements, largely in the industrialized areas of the Province.

Power Development Lands

A right-of-way 100 feet in width and about 4 miles long for a roadway and transmission line extending from the Ragged Rapids development to the Big Eddy development, both on the Musquash river, was acquired. Adjacent to the Ragged Rapids plant the right-of-way was obtained from a number of private owners, but for most of it the fee was acquired from the Indian Branch of the Department of Mines and Resources, as the site for the development is situated within the Gibson Indian Reserve. By agreement with the Canadian Pacific Railway a siding at Bala was provided.

To provide better access to the Ragged Rapids and Big Eddy developments and to eliminate a hazardous highway crossing of the Canadian Pacific Railway, the Commission joined with the town of Bala, the townships of Wood and Medora and the railway company for the relocation of the highway.

In connection with the new power development at Barrett Chute on the Madawaska river near Calabogie, right-of-way for 3 miles of roadway and transmission line from the Black Donald highway was acquired. Sand and gravel areas were also purchased and a siding at Calabogie was rehabilitated and extended by agreement with the Canadian Pacific Railway Company.

Further claims respecting property abutting Chats lake were settled.

Transmission and Distribution Lines

Rights for 271 miles of the original steel transmission line erected in 1909 were renewed. A greatly increased main line construction programme necessitated the acquisition of 5,613 easements, 1,051 crossing agreements with other corporations, 1,358 tree trimming agreements, and settlement of 748 damage claims. The fee of approximately 50 miles of main transmission line right-of-way was also acquired, involving 186 purchase agreements.

Transmission line rights of importance were acquired in the following systems:

Niagara System—Urban development adjacent to several of the larger centres made it necessary to purchase the fee of rights-of-way in order to make permanent provision for essential transmission lines. These purchases included property to complete a strip of over-all width of 200 feet extending from Dundas transformer station southerly for 1.5 miles, and a strip of 100 feet of over-all width extending from the east limits of Kitchener through the southerly portion of the city to the Canadian National Railways' main line from Kitchener to Stratford.

A right-of-way was acquired for a 110,000-volt transmission line 109 miles long from St. Thomas transformer station to Essex transformer station. Perpetual easements 100 feet wide were acquired for the easterly 103 miles, and for the westerly 6 miles the fee of a strip of land adjacent to the existing owned right-of-way was purchased to provide an over-all width of 158 feet.

An agreement with the Province of Ontario provided for the sale of former radial railway lands extending from immediately west of the Humber river to Mimico creek upon which was located the main circuit steel-tower line from Niagara Falls. All lands lying south of the Canadian National Railways were surrendered to provide a terminus and grade separation for the Queen Elizabeth Way entering Toronto from the west. In order to maintain the continuity of the important right-of-way entering the city from the west, a strip of land 150 feet in width to the north of the Canadian National Railways and extending easterly from Salisbury avenue to the Humber was transferred to the Commission.

The remaining former radial railway right-of-way and lands lying between Mimico creek and Oakville were transferred to the Niagara system and will be held in reserve until the Commission's requirements are determined.

A lease was negotiated with the Canadian National Railways for the construction of a 110,000-volt steel-tower transmission line from St. Clair avenue northerly along the right-of-way of that railway to Fairbank junction, and easterly to the new Fairbank transformer station on the northerly edge of the Canadian National Railways belt line and immediately east of Danesbury avenue.

220,000-volt lines—A perpetual easement right-of-way 150 feet in width was acquired from Baudet at the inter-provincial boundary at the easterly extremity of the Province to a junction with the Gatineau lines in Whitby township, a distance of approximately 270 miles. Certain revisions to the fourth unused Gatineau line were required in order to bring the new line to a point in Pickering township where the Beauharnois lines diverge to cross the Metropolitan area of Toronto.

From this latter point, rights 150 feet in width are being acquired extending westerly to an intersection with the Canadian Pacific Railway main line in Scarboro township. Commencing at the Canadian Pacific Railway and extending westerly to Leaside junction, the fee of a strip 350 feet in width is being acquired. Negotiations are being conducted for the acquisition of the fee of a strip 150 feet in width from Leaside junction to Leaside transformer station. From Leaside junction westerly to Etobicoke creek through Metropolitan Toronto a strip of minimum width of 350 feet is being purchased so as to provide a permanent right-of-way to protect the present and future projected needs of the Commission with respect to east and west transmission line requirements.

Other lines of importance for which perpetual easement and clearing rights were acquired are as follows: Decewsville to Rainham junction; Rainham junction to Rainham distributing station; Rainham junction to Jarvis; Lawrence avenue junction to DeHaviland; Bendale junction to Agincourt; Lawrence avenue to York Mills; Sun Brick to East York; Kent to Prince Albert junction; Hamilton to Windermere junction; Escarpment junction to Smithville; Fairbank to Glencairn; Fairbank to Forest Hill; Fairbank to York "C"; York "C" to York "A"; and Fairbank to Kodak junction.

Georgian Bay System—Perpetual easement rights 66 feet in width and rights to clear were acquired for a 110,000-volt wood-pole line from Ragged Rapids to Nobel.

Eastern Ontario System—Perpetual easement rights were acquired for a 110,000-volt wood-pole transmission line extending from Chats Falls to Federal junction, the centre line of which is spaced 100 feet from the existing 220,000-volt line of the Niagara system.

The fee of additional property was acquired near Ottawa from Federal junction easterly to a point near Hawthorne, a distance of six miles; this strip parallels an owned right-of-way, and will provide an over-all width of 225 feet. Negotiations are proceeding for the acquisition of the fee of a 66-foot strip extending from near Hawthorne northerly to the National Research (Ottawa) transformer station intersecting the Canadian National Railways right-of-way at Cyrville junction.

The right-of-way of the Canadian National Railways extending from Ottawa to Hawkesbury was offered for sale and the opportunity was taken to purchase that portion extending from Herdman Bridge to Cumberland. The easterly end of the right-of-way extending from Cumberland to Cyrville junction provided an excellent right-of-way for the tie-line from Lievre junction to Cyrville junction, and the westerly portion thereof is expected to be of very considerable value as a ready means of entrance to the east limits of Ottawa.

Perpetual easement rights for a right-of-way 66 feet in width and 56 miles long, from Frontenac transformer station near the north limits of Kingston to Sidney transformer station near Trenton, were acquired for a steel transmission line. The rights were extended westerly from the latter point to the reinsulated line from Newcome junction to Oshawa transformer station; this completes the 110,000-volt transmission line rights required for the new supply of power to Oshawa transformer station.

Rights were acquired for a new 44,000-volt line from Cornwall transformer station to Howard Smith Paper Mills.

Northern Ontario Properties—Perpetual easement rights were acquired for transmission lines from Kirkland Lake transformer station to Lake Shore Gold Mines in the Abitibi district, and from Couchenor-Willan to McMarmac Gold Mines, and Uchi switching station to Jason Gold Mines, in the Patricia-St. Joseph district.

Station Sites

Some of the more important station sites acquired included the following:

Burlington transformer station, immediately east of the town line between East Flamboro and Nelson townships and adjoining the Canadian National Railways' main line to the north. This site contains an area of approximately 80 acres, and includes a number of small holdings with dwellings which must be removed. Arrangements were made with the Canadian National Railways for a private siding.

At Fairbank a large area was acquired for a transformer station and for future expansion; a number of buildings on the site were removed. Arrangements for a siding were made with the Canadian National Railways.

In Oshawa a transformer station site is being acquired.

A site was purchased for a transformer station at the northwest corner of Brownleigh avenue and Centre street, Crowland township, adjacent to the eastern limits of the city of Welland and adjoining the Atlas Steels Limited property.

In Sudbury, at the corner of Brebeuf and Kathleen streets, a transformer station site was acquired.

Other important sites for switching, distribution or rural stations were acquired at the following places:

East York, Bartonville, Perth, Stayner, Thornhill, Port Hope, DeHavilland, Mountain View Airport, Sharon, Wasaga Beach, Agincourt, Bolton, Brantford Airport, and Rainham.

Of agreements totalling 7,719 negotiated for rights on privately-owned properties, only six owners appealed to the valuator appointed under The Power Commission Act.

Sales and Leases

The policy of disposing of excess lands was continued and many properties were sold.

Lands owned by the Commission in connection with power developments, and also lands comprising several hundred miles of right-of-way not wholly occupied by the Commission's equipment, were leased wherever possible to adjoining property owners subject to joint use thereof. Practically all of the residences owned by the Commission were occupied under lease. A substantial increase in the number of revenue-bearing leases was effected.

Surveys

In connection with the purchase of station sites, transmission line right-of-way, and miscellaneous properties, the renewal of rights, the acquisition of easements and crossing agreements, the settlement of damage claims and other matters as referred to in the foregoing summary, a large number of surveys were made.

Among the more important surveys were those made in connection with the renewal of the rights on 200 miles of the original 270 miles of line constructed in 1909; the purchase of 40 miles of lands for transmission line entrances to important urban areas; the 109 miles of right-of-way between the St. Thomas and Essex transformer stations; the 270 miles of right-of-way from the east Provincial boundary at Baudet to Whitby township, and the power development, transmission line, and roadway lands in connection with the Big Eddy and Ragged Rapids developments of the Georgian Bay system.

Records

The following is a brief summary of the records made:

(1) All current deeds, including plans attached, were copied in the title record books, and title record plans brought up to date.

(2) Plans were indexed for all purchases, sales, easements, leases, licences of occupation, crossings and title records.

(3) The following were indexed: 216 deeds of land; 773 trimming rights and 3,189 transmission line easements.

Taxes

Assessments covering Commission-owned properties were received from 265 municipalities. Where assessments were not in conformity with the provisions of The Power Commission Act, appeals were made, resulting generally in a reduction of assessment and taxes.

SECTION II

OPERATION OF THE SYSTEMS

NO special operating difficulties were encountered during the year; service interruptions were comparatively few, and no major failure of equipment occurred. Precipitation on most of the watersheds supplying the Commission's generating stations was subnormal during the early part of the year, but during the spring run-off storage basins were filled and water conditions at the close of the year were satisfactory.

Load Conditions

The total output from all generated and purchased sources amounted to 9,686,402,421 kilowatt-hours. This was the largest output on record, and exceeded that of the previous fiscal year by 13.9 per cent. The October peak load, including primary and secondary power, was 1,954,069 horsepower, slightly lower than the October, 1939, peak.

The output for primary power purposes also exceeded all previous records. It amounted to 7,837,727,173 kilowatt-hours, an increase of 19.2 per cent. The monthly primary peak loads, without exception, exceeded all recorded maxima for corresponding months in any year. Compared with the previous year the increase in primary peak loads during the first eleven months of the year was in the order of 14 per cent, but as a result of daylight-saving time being continued beyond September, the October primary peak, amounting to 1,783,962 horsepower, was only 6.9 per cent greater than the October, 1939, peak.

The greater portion of the current year's increase in primary load was centred in the Niagara system, and arose in a large measure from the greater demands of the electro-metallurgical and electro-chemical industries in the production of war material. Numerous other plants manufacturing war material also contributed to the year's growth, as did the greater than normal use of electricity in the commercial and domestic fields occasioned by the war effort. Both the Georgian Bay and Eastern Ontario systems recorded substantial increases in load, a considerable portion being directly attributable to the production of war material. In the Northern Ontario Properties

TOTAL POWER GENERATED

HYDRO-ELECTRIC GENERATING PLANTS

Generating plants	Maximum normal plant capacity Oct. 31, 1940 horsepower	Peak load during fiscal year		Total output during fiscal year	
		1938-39 horse-power	1939-40 horse-power	1938-39 kilowatt-hours	1939-40 kilowatt-hours
Niagara system					
Queenston-Chippawa—Niagara river	500,000	494,638	486,595	2,273,928,000	2,740,693,000
"Ontario Power"—Niagara river	180,000	176,944	180,295	680,430,000	903,501,000
"Toronto Power"—Niagara river	150,000	136,059	130,965	280,146,000	176,204,000
Chats Falls (Ontario half)—Ottawa river	108,000	114,611	113,941	342,874,500	400,814,400
DeCew Falls—Welland canal	50,000	46,917	50,268	137,088,000	157,990,000
Steam plant—Hamilton	24,000	8,311	0	21,600	0
Georgian Bay system					
South Falls—South Muskoka river	5,600	5,898	5,898	23,305,500	25,205,880
Hanna Chute—South Muskoka river	1,600	1,743	1,743	7,368,000	6,969,600
Trethewey Falls—South Muskoka river	2,300	2,145	2,279	9,487,200	9,292,800
Ragged Rapids—Musquash river	10,000	10,154	10,154	31,595,100	35,218,500
Bala No. 1 and No. 2—Muskoka river	600	597	590	2,953,920	1,928,000
Big Chute—Severn river	5,800	5,912	6,113	22,030,200	21,445,780
Wasdells Falls—Severn river	1,200	1,220	1,206	2,946,140	3,680,000
Eugenia Falls—Beaver river	7,800	7,668	7,828	14,091,600	11,826,800
Hanover—Saugeen river	400	416	429	205,920	1,246,468
Walkerton—Saugeen river	500	489	496	1,448,200	1,923,800
Eastern Ontario system					
Sidney—Dam No. 2—Trent river	4,500	5,261	5,228	20,626,200	19,008,000
Frankford—Dam No. 5—Trent river	3,500	3,861	4,424	15,493,600	15,347,100
Sills Island—Dam No. 6—Trent river	2,100	2,332	2,252	9,433,680	9,960,080
Meyersburg—Dam No. 8—Trent river	7,000	7,895	7,741	28,656,400	33,016,530
Hague's Reach—Dam No. 9—Trent river	4,500	4,799	5,161	20,454,630	19,835,470
Ranney Falls—Dam No. 10—Trent river	11,500	11,930	12,172	49,417,880	50,351,860
Seymour—Dam No. 11—Trent river	4,200	4,826	4,390	17,569,920	16,835,520
Heely Falls—Dam No. 14—Trent river	15,300	16,086	16,086	58,163,420	63,470,240
Auburn—Dam No. 18—Trent river	2,400	2,607	3,499	11,444,580	10,776,490
Douro—Lock No. 24—Otonabee river	900	938	871	161,850	45,450
Lakefield—Otonabee river	2,300	2,413	2,433	9,971,260	8,682,410
Young's Point—Otonabee river	500	0	496	0	24,500
Fenelon Falls-Dam No.30-Sturgeon river	1,000	952	938	2,505,800	2,730,900
High Falls—Mississippi river	3,000	3,271	3.083	8,595,240	11,787,000
Carleton Place—Mississippi river	400	0	0	0	0
Calabogie—Madawaska river	6,000	6,354	6,273	18.608,390	16,749,270
Galetta—Mississippi river	1,100	1,206	1,220	2,260,200	2,684,400
Thunder Bay system					
Cameron Falls—Nipigon river	73,500	75,201	67,024	362,880,000	290,467,000
Alexander—Nipigon river	50,000	52,681	51,877	273,028,800	240,124,800
Northern Ontario Properties					
Nipissing district					
Nipissing—South river	2,100	2,259	2,212	7,329,560	6,867,180
Bingham Chute—South river	1,200	1,287	1,300	3,771,440	3,837,520
Elliott Chute—South river	1,700	1,897	1,890	2,781,400	2,863,800
Sudbury district					
Coniston—Wanapitei river	5.900	5,764	5,898	23,322,350	21,633,600
McVittie—Wanapitei river	3,100	3,217	3,217	17,374,700	17,294,600
Stinson—Wanapitei river	7.500	6,917	7.239	19,308,000	19,224,000
Crystal Falls—Sturgeon river	10,000	8,190	10,214	25,708,295	32,871,868
Abitibi district					
Abitibi Canyon—Abitibi river	240,000	188,740	211,796	901,415,000	1,077,106,500
Patricia-St. Joseph district					
Ear Falls—English river	15,000	9,122	13,271	38,190,600	55,531,920
Rat Rapids—Albany river	3,000	3,458	3,458	17,086,540	17,180,160
Total generated	1,531 000	*	*	5.795.479.615	6.564.248 196

* Because the peak loads on the various generating plants and purchased power sources usually occur at different times, the sum of the individual peak loads would not represent the sum of the peak loads on the systems. These, in the case of each system, must relate to the maximum load occurring at any one time. Consequently, the column headed "Peak load" is not totalled.

AND PURCHASED—ALL SYSTEMS

POWER PURCHASED

Power source	Contract amount horsepower Oct. 31, 1940	Total purchased	
		1938-39 Kilowatt-hours	1939-40 Kilowatt-hours
Canadian Niagara Power Co.	20,000	84,170,800	94,151,700
Gatineau Power Co.—25-cycle	260,000	914,970,500	1,196,338,740
Ottawa Valley Power Co.	108,000	342,874,500	400,814,400
Beauharnois Light, Heat and Power Co.	150,000	727,740,000	737,806,930
Maclaren-Quebec Power Co.	80,000	272,709,000	313,291,000
Gatineau Power Co.-60-cycle delivery at 110 kv.	60,000	274,342,600	275,838,460
Gatineau Power Co.-60-cycle delivery at 11 kv.	20,000	65,737,800	68,848,200
Gatineau Power Co.-60-cycle delivery to Treadwell*	350	369,000	474,400
M. F. Beach Estate	500	1,698,400	1,702,000
Rideau Power Co.	400	1,840,400	1,887,200
Campbellford Water & Light Commission	800	3,722,900	5,577,100
Manitoulin Pulp Co.*	300	620,700	756,900
Huronian Co.*	150	180,200	313,200
Pembroke Electric Light Co. Ltd.*	1,000	No record.	379,200
Orillia Water, Light & Power Commission*	490	643,800	802,900
Gananoque Light, Heat & Power Co*	175	250,740	296,020
Abitibi Power & Paper Co	....	317,557	12,886,115
Kaministiquia Power Co.†	....	13,844,320	9,341,760
Fenelon Falls Light, Heat & Power Commission‡	....	5,600	3,600
Welland Ship Canal‡	....	376,200	644,400
Total purchased	702,165	2,706,415,017	3,122,154,225

Power purchased, contract amount, 1940	702,165	horsepower
Maximum normal plant capacity, 1940	1,531,000	"
Total available capacity generated and purchased, 1940	2,233,165	"
Total available capacity generated and purchased, 1939	2,147,110	"
Difference (increase)	86,055	"
Total energy purchased, 1940	3,122,154,225	kilowatt-hours
Total energy generated, 1940	6,564,248,196	" "
Total energy generated and purchased, 1940	9,686,402,421	" "
Total energy generated and purchased, 1939	8,501,894,632	" "
Difference (increase)	1,184,507,789	" "

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*Purchased for delivery to remote rural power districts.

†Purchased on kilowatt-hour basis.

‡Emergency use.

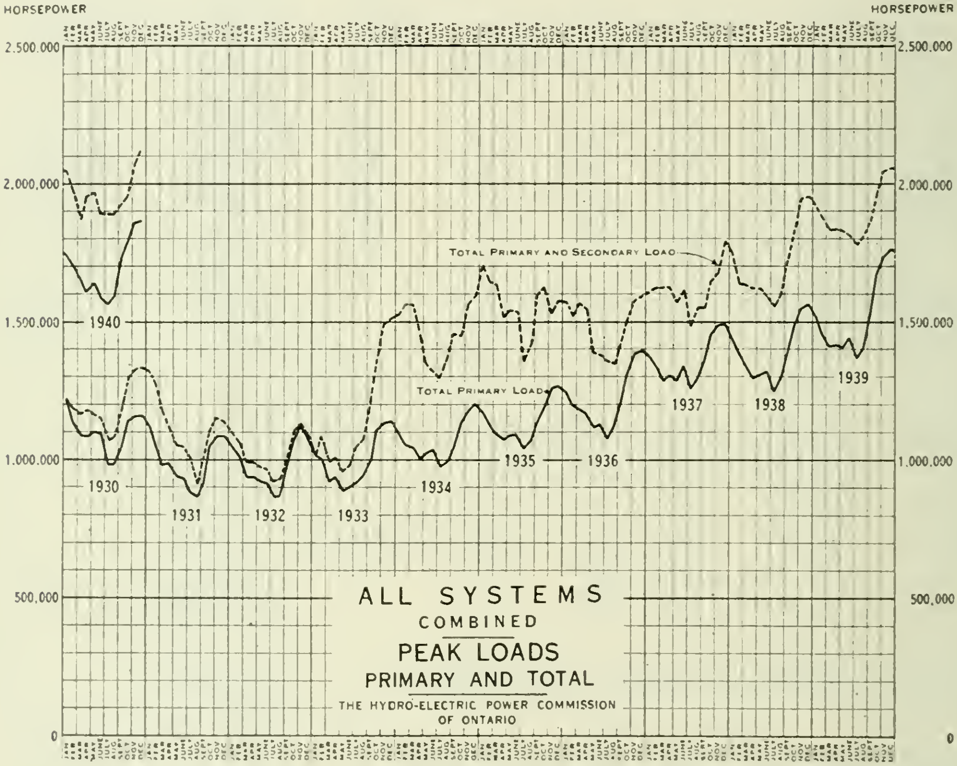
CAUTION: The figures for "Maximum normal plant capacity" reflect the capacity of the various plants under the most favourable operating conditions which can reasonably be considered as normal, taking into consideration turbine capacity as well as generator capacity, and also the net operating head and available water supply.

Owing, among other things, to changes in generating equipment due to wear and tear or the replacement of parts, also to changes in limitations governing water levels and effective net heads, the maximum normal plant capacity is not a fixed quantity but is one which must be revised from time to time.

It is particularly important to bear in mind that the column headed "Maximum normal plant capacity" cannot be taken as an indication of the dependable capacity of the various plants: in some cases it is, but in many cases it is not. Chief among the factors which govern the maximum dependable capacity of an hydraulic power plant and which are not reflected in column headed "Maximum normal plant capacity" are abnormal variations in water supply and operating limitations encountered when plants are so situated on a given stream as to be affected by one another.

the substantial growth of recent years has continued, the total primary peak load rising from 168,000 horsepower in October, 1939, to 202,000 horsepower in October, 1940, an increase of 20.1 per cent, which was about the average increase for the year.

Details regarding the load of each of the co-operative systems and of the several districts of the Northern Ontario Properties are given in the load graphs in this section of the Report.



Maintenance

All lines, stations and equipment were regularly inspected and maintained in efficient operating condition. Except where special emergencies demanded immediate attention, this work was carried out in accordance with regular schedules undertaken to prevent failures of equipment and service interruptions. The thorough and successful nature of the inspection and preventive maintenance work performed is indicated by the absence of serious failures of equipment. Such damage as was experienced from lightning, sleet and wind was promptly repaired, and a rapidly increasing demand for power was met with few interruptions to service.

Forestry

The Forestry division continued its regular transmission and rural-line clearing operations to protect the Commission's lines, equipment and service from tree interference.

Reforestation was continued, but confined to replacement plantings on non-revenue producing lands in the Niagara system.

The year's operations involved treatment of 78,300 trees and 1,545 pole spans of underbrush spread over 3,313 miles of power transmission, telephone and rural distribution lines.

Tree clearance was also obtained for approximately 197 miles of line in connection with the construction of new transmission and rural lines and the rehabilitation of certain existing lines. This work necessitated the treatment of 8,400 trees and 107 pole spans of underbrush.

Line-clearing operations were performed for fifteen municipalities. This work involved treatment of 3,800 trees spread over 58 miles of local primary and secondary lines.

NIAGARA SYSTEM

The total average output of energy on the Niagara system reached the highest level in its history. It exceeded the output in the previous year by 18.1 per cent. Approximately 79 per cent of the total output was supplied for primary power services. Compared with the previous year the average output for primary power purposes was 19.6 per cent greater. In every month the primary peak demand exceeded that of the corresponding month of the previous year. During the first eleven months of the year this increase was of the order of 15 per cent, but in October, when municipal demands were curtailed by the extension of daylight-saving time, the increase dropped to 4.8 per cent.

Capacity in excess of that required for primary services was used to produce approximately 1,540,000,000 kilowatt-hours for delivery to the secondary power market. This represented about 21 per cent of the total energy output.

Operation of the transmission lines was very favourable throughout the year. Interruptions to service caused by lightning, sleet and gales were relatively few, and little damage was done to lines or equipment. On the 220,000-volt lines supplying power from Eastern sources there was only one complete interruption during the year.

In general, the Niagara river plants, together with the available supply from Eastern power sources, have been operated to obtain the greatest possible amount of power and energy. Practically no trouble was experienced from ice conditions in the Niagara river during the winter. On one occasion, January 14, a large ice jam formed in the lower river which resulted in a reduction in the output of the Ontario Power plant of some 25,000 horsepower for the greater part of one day. Assistance was given to the Niagara Hudson Power Corporation between January 19 and 23, when the output of the Schoelkopf plant was reduced by ice at the intake.

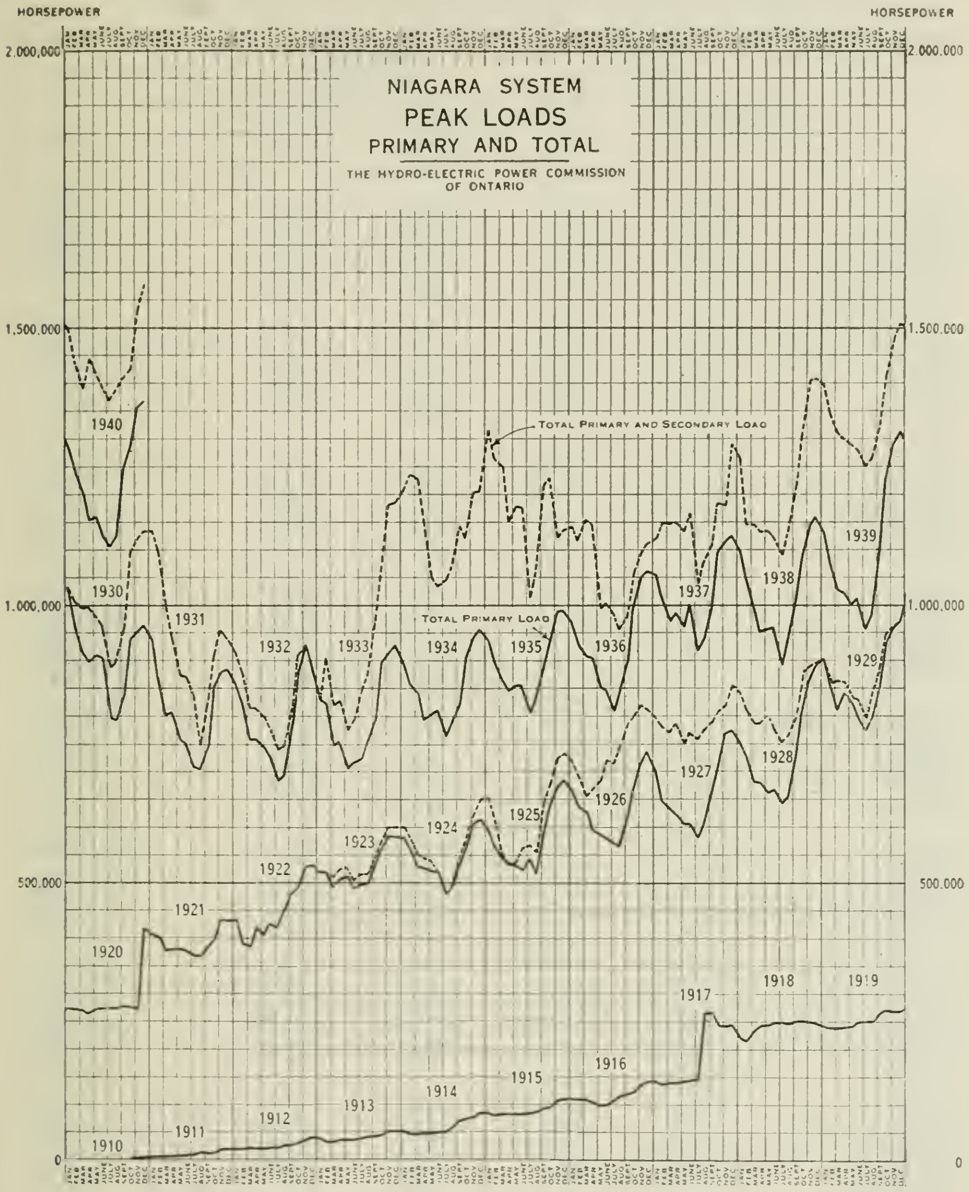
The output of the two units at the Canadian Niagara Power Company's plant reserved for the Commission's use was available to the Niagara system throughout the year. There were no deficiencies in this supply, and all the power and energy to which the Commission was entitled under the terms of the power agreement was delivered.

Except for No. 2 unit, which was out of service for four months for complete overhaul, all units at the Chats Falls generating station were available for operation throughout the year. During the spring run-off, when the Ottawa river flow was in excess of that required to generate full power delivery under the terms of the Ottawa Valley Power Company agreement, the Chats Falls generating station was operated to a maximum in order to utilize as much of the river flow as possible. Natural flow conditions on the Ottawa river drainage basin were below normal during the winter of 1939-40, and although the freshet peaks did not approach those of a normal year, river flow and storage conditions at the close of the year were above average.

The frequency-changer set at Chats Falls generating station was available as a reserve source of supply for the Eastern Ontario system during the year. On a few occasions it assisted in carrying the Eastern Ontario system's primary peak load. In November, 1939, it was used extensively to transfer power for secondary use on the Eastern Ontario system, and for the same purpose occasionally thereafter until August 3, 1940, when the set was operated at part capacity to supply a portion of the export load at Massena, New York.

The DeCew Falls generating station operated to use all the water available during the year. On August 27, diversion from the Welland canal was increased by 330 cubic feet per second under a supplemental lease with the Department of Transport. Load demands on the Dominion Power and Transmission division, in excess of the capacity available at DeCew Falls generating station, were met by the frequency-changer set at Niagara Falls. This set was available throughout the year except during two short periods in June and August when it was disabled. During these periods the capacity of the Dominion Power and Transmission division was augmented by a supply of power from a generating station of the Department of Transport on the Welland ship canal.

The Hamilton steam station was available as a limited standby reserve for the Dominion Power and Transmission division. No assistance was required from this station during the year. The boiler plant was used for generation of steam for commercial purposes up to the end of March.



On November 1, 1939, an additional 60,000 horsepower became available to the Niagara system from the Gatineau Power Company, completing full delivery under the terms of the power agreement with this Company. By arrangement with the Maclaren-Quebec Power Company the increment of 20,000 horsepower due November 1, 1940, was taken on July 11, at 60 cycles, increasing the total delivery from this Company to 80,000 horsepower.

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES—1939-40

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
Acton	1,082.8	1,240.0		157.2
Agincourt	230.8	219.3	11.5	
Ailsa Craig	126.7	139.9		13.2
Alvinston	100.5	116.6		16.1
Amherstburg	942.6	984.4		41.8
Ancaster Township	447.9	411.2	36.7	
Arkona	58.8	68.5		9.7
Aurora	1,325.7	1,310.3	15.4	
Aylmer	873.7	848.1	25.6	
Ayr	236.3	243.7		7.4
Baden	368.0	364.2	3.8	
Beachville	520.6	567.8		47.2
Beamsville	441.4	426.3	15.1	
Belle River	179.1	180.6		1.5
Blenheim	604.3	624.4		20.1
Blyth	140.4	154.5		14.1
Bolton	190.3	221.5		31.2
Bothwell	146.0	156.7		10.7
Brampton	2,932.5	3,143.1		210.6
Brantford	17,465.6	17,969.1		503.5
Brantford Township	910.2	1,012.1		101.9
Bridgeport	144.2	127.1	17.1	
Brigden	85.4	89.8		4.4
Bronte	219.8	213.9	5.9	
Brussels	156.2	173.3		17.1
Burford	212.4	257.4		45.0
Burgessville	58.3	53.1	5.2	
Burlington	1,302.3	1,353.9		51.6
Burlington Beach	434.5	510.4		75.9
Caledonia	403.6	423.9		20.3
Campbellville	38.3	50.4		12.1
Cayuga	156.3	156.3		
Chatham	6,944.4	7,446.5		502.1
Chippawa	319.6	341.8		22.2
Clifford	101.5	108.3		6.8
Clinton	631.4	642.0		10.6
Comber	145.6	150.8		5.2
Cottam	85.8	91.1		5.3
Courtright	49.7	49.3	0.4	
Dashwood	92.3	106.3		14.0
Delaware	75.7	80.6		4.9
Delhi	781.5	755.0	26.5	
Dorchester	126.6	127.9		1.3
Drayton	133.1	143.6		10.5
Dresden	434.3	474.5		40.2
Drumbo	114.3	118.9		4.6
Dublin	103.5	118.9		15.4
Dundas	2,202.3	2,399.1		196.8
Dunnville	1,363.2	1,342.3	20.9	
Dutton	266.1	274.7		8.6

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES—1939-40—Continued

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
Elmira	769.3	909.1		139.8
Elora	412.1	440.9		28.8
Embro	124.9	118.1	6.8	
Erieau	175.3	187.7		12.4
Erie Beach	45.4	63.3		17.9
Essex	495.0	737.9		242.9
Etobicoke Township	7,216.0	7,379.1		163.1
Exeter	638.1	736.6		98.5
Fergus	1,239.9	1,364.6		124.7
Fonthill	182.3	190.6		8.3
Forest	511.2	561.8		50.6
Forest Hill	8,253.4	7,870.6	382.8	
Galt	8,906.6	9,685.1		778.5
Georgetown	1,587.2	1,686.5		99.3
Glencoe	220.4	239.9		19.5
Goderich	1,385.1	1,581.4		196.3
Granton	74.8	86.3		11.5
Grimsby	993.3	862.7	130.6	
Guelph	11,016.6	11,231.2		214.6
Hagersville	1,018.9	1,121.1		102.2
Hamilton	128,241.0	135,555.6		7,314.6
Harriston	438.9	403.0	35.9	
Harrow	589.8	616.5		26.7
Hensall	243.6	245.4		1.8
Hespeler	2,594.8	2,768.8		174.0
Highgate	94.1	100.4		6.3
Humberstone	556.7	597.9		41.2
Ingersoll	2,677.7	2,856.8		179.1
Jarvis	202.4	230.6		28.2
Kingsville	736.7	766.5		29.8
Kitchener	23,460.0	24,811.2		1,351.2
Lambeth	150.1	149.9	0.2	
La Salle	261.7	226.6	35.1	
Leamington	2,599.0	2,296.4	302.6	
Listowel	1,182.3	1,334.4		152.1
London	39,901.5	41,310.6		1,409.1
London Township	596.0	630.0		34.0
Long Branch	1,145.8	1,113.5	32.3	
Lucan	219.3	221.3		2.0
Lynden	101.5	124.4		22.9
Markham	383.5	387.4		3.9
Merlin	109.1	125.3		16.2
Merritton	6,118.3	7,314.0		1,195.7
Milton	1,188.1	1,414.9		226.8
Milverton	361.9	389.1		27.2
Mimico	2,819.0	2,686.3	132.7	
Mitchell	641.8	717.4		75.6
Moorefield	39.2	40.5		1.3
Mount Brydges	109.6	115.8		6.2
Newbury	41.8	42.9		1.1

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES—1939-40—Continued

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
New Hamburg	580.7	631.6	....	50.9
Newmarket	1,769.4	1,831.4	....	62.0
New Toronto	8,835.7	10,436.5	....	1,600.8
Niagara Falls	10,798.9	11,686.3	....	887.4
Niagara-on-the-Lake	789.5	930.3	....	140.8
Norwich	461.1	431.6	29.5	....
Oakville	1,319.0	1,075.1	243.9	....
Oil Springs	223.4	218.8	4.6	....
Otterville	143.4	172.1	....	28.7
Palmerston	576.4	591.0	....	14.6
Paris	1,754.8	1,795.9	....	41.1
Parkhill	185.3	211.0	....	25.7
Petrolia	1,185.2	1,212.1	....	26.9
Plattsville	102.9	105.4	....	2.5
Point Edward	1,275.7	1,491.5	....	215.8
Port Colborne	2,091.1	2,230.6	....	139.5
Port Credit	922.5	822.0	100.5	....
Port Dalhousie	912.9	1,057.0	....	144.1
Port Dover	475.2	515.1	....	39.9
Port Rowan	101.7	104.6	....	2.9
Port Stanley	1,021.2	1,120.9	....	99.7
Preston	3,307.1	3,504.3	....	197.2
Princeton	131.0	143.3	....	12.3
Queenston	148.4	172.4	....	24.0
Richmond Hill	482.8	487.1	....	4.3
Ridgetown	636.5	658.0	....	21.5
Riverside	1,079.0	1,226.7	....	147.7
Rockwood	127.8	128.4	....	0.6
Rodney	203.6	196.2	7.4	....
St. Catharines	16,106.2	21,407.5	....	5,301.3
St. Clair Beach	118.0	106.5	11.5	....
St. George	135.9	150.7	....	14.8
St. Jacobs	378.3	331.1	47.2	....
St. Marys	1,587.6	1,650.1	....	62.5
St. Thomas	8,471.8	8,433.0	38.8	....
Sarnia	9,135.3	10,386.6	....	1,251.3
Scarboro Township	4,282.6	4,244.2	38.4	....
Seaforth	621.2	635.1	....	13.9
Simcoe	2,927.6	2,752.7	174.9	....
Smithville	296.0	250.7	45.3	....
Springfield	64.3	75.2	....	10.9
Stamford Township	2,518.9	2,724.7	....	205.8
Stoney Creek	246.2	217.7	28.5	....
Stouffville	272.1	309.5	....	37.4
Stratford	7,843.8	8,284.9	....	441.1
Strathroy	1,428.9	1,463.9	....	35.0
Streetsville	177.6	191.9	....	14.3
Sutton	428.5	429.1	....	0.6
Swansea	3,270.8	3,368.0	....	97.2
Tavistock	649.3	685.5	....	36.2

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES—1939-40—Concluded

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
Tecumseh	419.8	548.8		129.0
Thamesford	225.2	235.6		10.4
Thamesville	255.8	250.4	5.4	
Thedford	150.9	138.8	12.1	
Thorndale	77.0	85.3		8.3
Thorold	2,557.6	2,674.9		117.3
Tilbury	584.4	796.2		211.8
Tillsonburg	1,498.7	1,456.7	42.0	
Toronto	383,536.2	379,541.5	3,994.7	
Toronto Township	2,858.7	2,679.3	179.4	
Trafalgar Township, Area No. 1	501.7	481.9	19.8	
Trafalgar Township, Area No. 2	140.6	130.5	10.1	
Wallaceburg	2,629.0	2,786.9		157.9
Wardsville	41.0	44.8		3.8
Waterdown	258.2	234.0	24.2	
Waterford	498.7	513.9		15.2
Waterloo	4,269.4	4,573.7		304.3
Watford	324.1	390.6		66.5
Welland	6,587.1	10,983.9		4,396.8
Wellesley	126.0	135.1		9.1
West Lorne	141.8	205.6		63.8
Weston	3,981.2	4,358.7		377.5
Wheatley	198.7	194.1	4.6	
Windsor	41,658.2	48,461.5		6,803.3
Woodbridge	553.6	617.4		63.8
Woodstock	7,533.5	7,989.3		455.8
Wyoming	70.0	94.1		24.1
York Township—East	8,335.8	8,351.7		15.9
York Township—North	5,624.6	6,669.4		1,044.8
Zurich	114.6	122.5		7.9

NOTE: The yearly peak demands of the individual municipal Hydro utilities and also of the rural power districts do not all occur during the same month of the year nor, for any given municipality or rural power district, do they always occur in the same month in successive years; in nearly all cases however the yearly peak occurs during the second half of the calendar year. For this reason a comparison of the peaks occurring during the second half of the year as shown in the tables of this Section shows most satisfactorily the general trend of the local loads.

NIAGARA SYSTEM—RURAL POWER DISTRICT LOADS—1939-40

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
Acton	25.0	25.0		
Ailsa Craig	85.5	101.7		16.2
Alvinston	47.6	36.0	11.6	
Amherstburg	998.1	1,164.7		166.6
Aylmer	878.6	942.1		63.5

NIAGARA SYSTEM—RURAL POWER DISTRICT LOADS—1939-1940—Continued

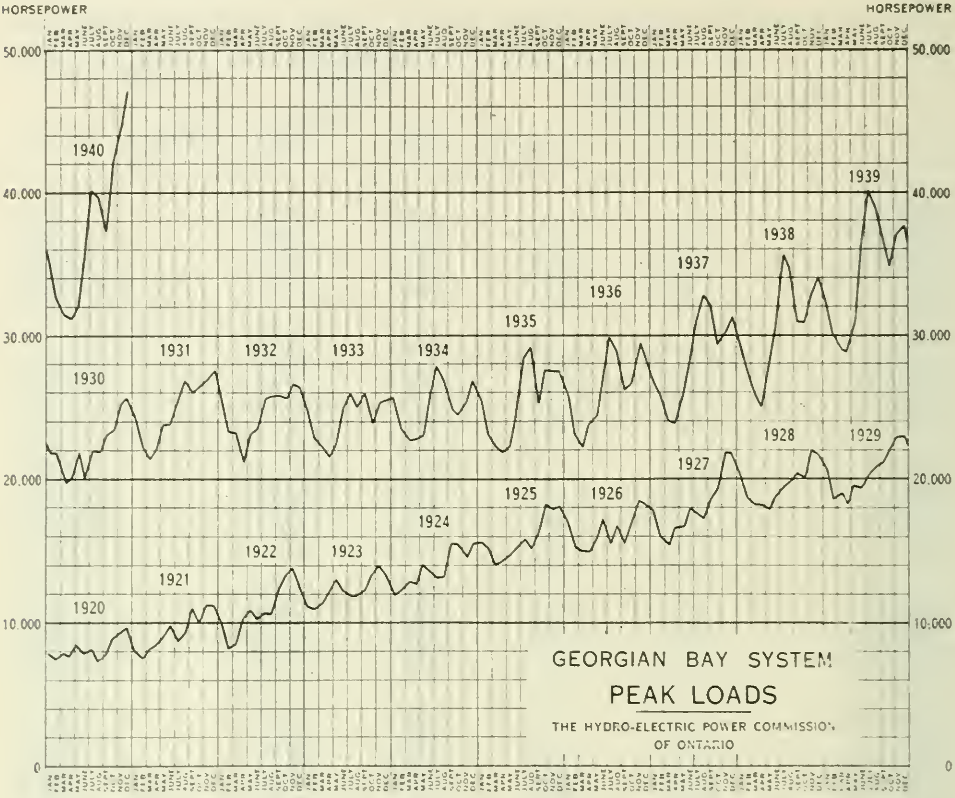
Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
Ayr	75.0	81.5		6.5
Baden	753.0	842.4		89.4
Beamsville	1,858.8	2,040.1		181.3
Belle River	462.0	455.1	6.9	
Blenheim	338.9	359.7		20.8
Bond Lake	1,849.5	1,878.0		28.5
Bothwell	412.3	432.7		20.4
Brampton	300.6	338.6		38.0
Brant	1,145.3	1,594.5		449.2
Brigden	112.6	119.4		6.8
Burford	310.5	368.2		57.7
Caledonia	810.7	987.6		176.9
Chatham	997.6	1,071.1		73.5
Chippawa	195.2	188.7	6.5	
Clinton	290.6	308.6		18.0
Delaware	599.9	665.2		65.3
Dorchester	716.9	843.4		126.5
Dresden	170.3	202.8		32.5
Drumbo	330.2	353.4		23.2
Dundas	1,046.1	1,150.2		104.1
Dunnville	144.2	439.4		295.2
Dutton	288.3	263.9	24.4	
Elmira	135.9	153.4		17.5
Elora	282.2	332.9		50.7
Essex	458.5	575.3		116.8
Exeter	928.5	1,000.2		71.7
Forest	175.6	227.6		52.0
Galt	383.4	453.9		70.5
Georgetown	286.7	344.6		57.9
Goderich	209.4	687.4		478.0
Grantham	837.1	941.8		104.7
Guelph	766.2	811.4		45.2
Haldimand	568.3	1,066.6		498.3
Harriston	52.0	55.5		3.5
Harrow	1,148.6	1,079.6	69.0	
Ingersoll	765.2	925.1		159.9
Jordan	545.6	533.1	12.5	
Keswick	1,557.0	1,687.9		130.9
Kingsville	1,494.3	1,502.0		7.7
Listowel	417.6	489.3		71.7
London	2,757.8	3,055.6		297.8
Lucan	186.4	199.8		13.4
Lynden	312.4	370.6		58.2
Markham	935.0	946.1		11.1
Merlin	317.2	329.2		12.0
Milton	312.6	413.7		101.1
Milverton	196.5	234.7		38.2
Mitchell	411.9	509.4		97.5
Newmarket	539.8	587.2		47.4
Niagara	955.7	955.9		0.2

NIAGARA SYSTEM—RURAL POWER DISTRICT LOADS—1939-1940—Concluded

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
Norwich	710.3	755.8		45.5
Oil Springs	117.0	160.6		43.6
Palmerston	149.5	185.3		35.8
Petrolia	121.0	138.7		17.7
Preston	1,695.2	1,871.1		175.9
Ridgetown	679.5	677.0	2.5	
St. Jacobs	487.9	479.8	8.1	
St. Marys	700.1	799.0		98.9
St. Thomas	1,379.4	2,255.4		876.0
Saltfleet	1,802.9	1,741.0	61.9	
Sandwich	1,602.9	1,984.6		381.7
Sarnia	1,153.0	1,280.6		127.6
Scarboro	945.4	968.9		23.5
Seaforth	95.7	101.4		5.7
Simcoe	655.3	694.3		39.0
Stamford	266.2	305.6		39.4
Stratford	352.5	376.6		24.1
Strathroy	305.6	359.6		54.0
Streetsville	698.4	701.2		2.8
Tavistock	499.0	533.9		34.9
Thamesville	266.0	281.6		15.6
Tilbury	340.5	492.7		152.2
Tillsonburg	829.5	843.1		13.6
Wallaceburg	411.9	470.3		58.4
Walsingham	894.6	881.8	12.8	
Walton	255.8	270.9		15.1
Waterdown	1,675.2	1,619.7	55.5	
Waterford	553.3	600.0		46.7
Watford	126.1	181.2		55.1
Welland	1,920.5	2,165.7		245.2
Woodbridge	1,165.8	1,441.8		276.0
Woodstock	1,108.9	1,342.2		233.3

GEORGIAN BAY SYSTEM

The total energy output of the Georgian Bay system exceeded that of the previous year by 14.6 per cent. There was, however, practically no growth in peak load until the month of October when a munition plant, which went into production about the middle of September, gradually increased its demand until by the end of the year about 4,000 horsepower, of an ultimate demand of 5,000 horsepower, was being taken. The October peak load was 42,217 horsepower, exceeding all previous records and exceeding that of October, 1939, by 21.5 per cent. Lack of peak growth during the summer months, when demands on this system are usually at a maximum, indicates the saving that can be made in bulk power supply by the adoption of daylight-saving time in parts of the area served. On the Georgian Bay system, in the summer of 1940, twelve municipalities adopted daylight-saving time. This advanced the time of the municipal peaks in those communities



one hour, with the result that although there was a substantial growth in the individual municipal loads during the summer, the diversity caused by changing the times of the peak loads in those twelve municipalities was sufficient to permit serving the whole system with practically no increase in system load.

From about the first of December, 1939, until the commencement of the spring run-off in April, 1940, river flows on this system were considerably below normal, necessitating a comparatively large transfer of power from the Niagara system during this period. All storage reservoirs were filled early in June, and, with heavy rainfall in August and September, stream flow conditions at the end of the year were well above normal. During the year 21,968,000 kilowatt-hours were transferred to this system from the Niagara system, representing about 15 per cent of the total Georgian Bay system requirements.

Assistance was given the Orillia Water, Light and Power Commission to the extent of 1,850,000 kilowatt-hours, chiefly during the period of November 28, 1939, to April 2, 1940, because of low water conditions at their plants.

There were no serious interruptions of power service during the year.

In order to provide additional capacity for the Georgian Bay system, a second frequency-changer set of 7,500 horsepower capacity was installed at Hanover and placed in service on June 19, 1940.

GEORGIAN BAY SYSTEM—LOADS OF MUNICIPALITIES—1939-1940

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
Alliston	355.7	404.5		48.8
Arthur	183.2	183.8		0.6
Bala	359.0	354.4	4.6	
Barrie	3,931.0	4,156.0		225.0
Beaverton	338.1	332.1	6.0	
Beeton	100.4	157.1		56.7
Bradford	202.1	240.8		38.7
Brechin	78.7	96.3		17.6
Cannington	196.2	225.3		29.1
Carlsruhe	5.0	5.0		
Chatsworth	86.4	88.3		1.9
Chesley	600.3	636.1		35.8
Coldwater	367.9	144.1	223.8	
Collingwood	1,694.2	2,090.3		396.1
Cookstown	82.6	89.6		7.0
Creemore	146.4	170.4		24.0
Dundalk	258.5	290.9		32.4
Durham	398.5	427.0		28.5
Elmvale	226.2	192.2	34.0	
Elmwood	74.3	88.2		13.9
Flesherton	89.6	91.6		2.0
Grand Valley	164.1	148.7	15.4	
Gravenhurst	1,037.9	1,254.5		216.6
Hanover	1,202.9	1,352.1		149.2
Hepworth	32.8	32.8		
Holstein	20.1	25.2		5.1
Huntsville	1,255.8	1,276.4		20.6
Kincardine	753.4	818.1		64.7
Kirkfield	28.0	26.0	2.0	
Lucknow	270.8	308.4		37.6
MacTier	149.0	157.0		8.0
Markdale	235.5	202.5	33.0	
Meaford	622.6	701.6		79.0
Midland	3,481.7	4,040.6		558.9
Mildmay	135.7	143.8		8.1
Mount Forest	608.4	624.9		16.5
Neustadt	49.3	45.5	3.8	
Orangeville	781.7	719.0	62.7	
Owen Sound	4,567.8	5,249.6		681.8
Paisley	145.2	158.4		13.2
Penetang	874.8	925.5		50.7
Port Carling	299.0	300.0		1.0
Port Elgin	506.9	529.1		22.2
Port McNicoll	104.7	104.7		
Port Perry	315.5	302.7	12.8	
Priceville	10.0	10.0		
Ripley	96.8	94.8	2.0	
Rosseau	53.6	55.3		1.7
Shelburne	262.7	307.2		44.5
Southampton	440.4	494.5		54.1

GEORGIAN BAY SYSTEM—LOADS OF MUNICIPALITIES—1939-40—Concluded

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
Stayner	332.5	322.2	10.3	....
Sunderland	95.2	91.1	4.1	....
Tara	114.1	125.7	....	11.6
Teeswater	173.3	184.2	....	10.9
Thornton	40.3	39.4	0.9	....
Tottenham	99.4	87.2	12.2	....
Uxbridge	341.7	368.1	....	26.4
Victoria Harbour	87.2	91.7	....	4.5
Walkerton	820.2	887.3	....	67.1
Waubaushene	161.9	167.6	....	5.7
Wiarton	463.2	396.5	66.7	....
Windermere	104.8	96.2	8.6	....
Wingham	532.2	616.7	....	84.5
Woodville	93.0	103.4	....	10.4

GEORGIAN BAY SYSTEM—RURAL POWER DISTRICT LOADS—1939-40

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
Alliston	192.7	208.8	....	16.1
Arthur	27.5	65.8	....	38.3
Bala	554.0	613.8	....	59.8
Barrie	781.1	837.9	....	56.8
Baysville	225.9	252.5	....	26.6
Beaumaris	677.3	647.9	29.4	....
Beaverton	462.5	498.7	....	36.2
Beeton	5.0	5.0	....	....
Bradford	106.2	145.6	....	39.4
Bruce	430.5	439.8	....	9.3
Buckskin	30.7	36.0	....	5.3
Cannington	110.5	126.1	....	15.6
Chatsworth	30.2	30.9	....	0.7
Cookstown	4.5	5.0	....	0.5
Creemore	146.0	184.8	....	38.8
Dundalk	39.1	46.8	....	7.7
Elmvale	117.0	132.0	....	15.0
Flesherton	52.7	68.3	....	15.6
Gravenhurst	98.5	123.9	....	25.4
Hawkestone	257.4	300.3	....	42.9
Holstein	23.5	24.4	....	0.9
Huntsville	377.3	369.0	8.3	....
Innisfil	944.6	1,054.4	....	109.8
Kirkfield	46.0	54.5	....	8.5
Lucknow	25.0	25.9	....	0.9

GEORGIAN BAY SYSTEM—RURAL POWER DISTRICT LOADS—1939-1940 —Concluded

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
Mariposa	271.0	286.9	....	15.9
Markdale	62.0	76.2	....	14.2
Meaford	157.9	191.7	....	33.8
Medonte	255.4	319.5	....	64.1
Midland	526.6	611.6	....	85.0
Minden	147.0	190.3	....	43.3
Mount Forest	24.8	28.8	....	4.0
Neustadt	54.6	96.2	....	41.6
Nottawasaga	61.4	74.9	....	13.5
Orangeville	167.7	215.6	....	47.9
Owen Sound	145.9	163.6	....	17.7
Port Perry	286.6	301.9	....	15.3
Ripley	128.8	176.2	....	47.4
Sauble	126.5	196.9	....	70.4
Shelburne	51.6	76.3	....	24.7
South Falls	18.0	30.0	....	12.0
Sparrow Lake	406.7	436.7	....	30.0
Tara	155.7	172.8	....	17.1
Thornton	26.2	36.5	....	10.3
Tottenham	31.5	32.5	....	1.0
Utterson	272.6	264.9	7.7	....
Uxbridge	169.4	199.3	....	29.9
Wasaga Beach	952.6	1,109.7	....	157.1
Wroxeter	226.6	277.4	....	50.8

EASTERN ONTARIO SYSTEM

The primary load on the Eastern Ontario system, which started to show a substantial increase near the close of the previous year, continued at a high rate of increase throughout the current year. The primary peak occurred in September, and amounted to 155,174 horsepower. It exceeded all recorded maxima and was 9.3 per cent greater than the primary peak of the previous year. The extension of daylight-saving time to the winter months did not produce any appreciable saving on the peak load of this system. The total primary energy, which amounted to 562,238,265 kilowatt-hours, represented an increase of 13.5 per cent over the previous year.

Secondary energy, amounting to a total of 77,251,800 kilowatt-hours, was delivered to the steam generator at the Howard Smith Paper Mills between November 1, 1939, and August 3, 1940, when this delivery was discontinued in order to provide transmission facilities for the supply of 40,000 horsepower, via Cornwall, to the Aluminum Company of America at Massena, New York. Of the above amount 60,700,000 kilowatt-hours were supplied direct from the Eastern Ontario system generating and purchase sources, and the balance by transfer from the Niagara system. In addition, a small amount of secondary energy was supplied to the Aluminum Company of Canada at Kingston. Following August 3, to the end of the fiscal year, such surplus energy as was available on the Eastern Ontario system, amounting in all to approximately 7,200,000 kilowatt-hours, was in effect transferred to the Niagara system for disposal in the secondary power market of that system.

The system's power resources, including generating capacity and power purchased under contract, were in general sufficient to meet all primary demands. However, on a few occasions in September and October it was necessary to call on the Niagara system for assistance to meet the system's primary peak demand, and on one occasion, January 17, it was necessary to call for the operation of the frequency-changer station at Chats Falls in order to augment the Central Ontario district generating sources when trouble developed on the Kingston-Belleville tie line.

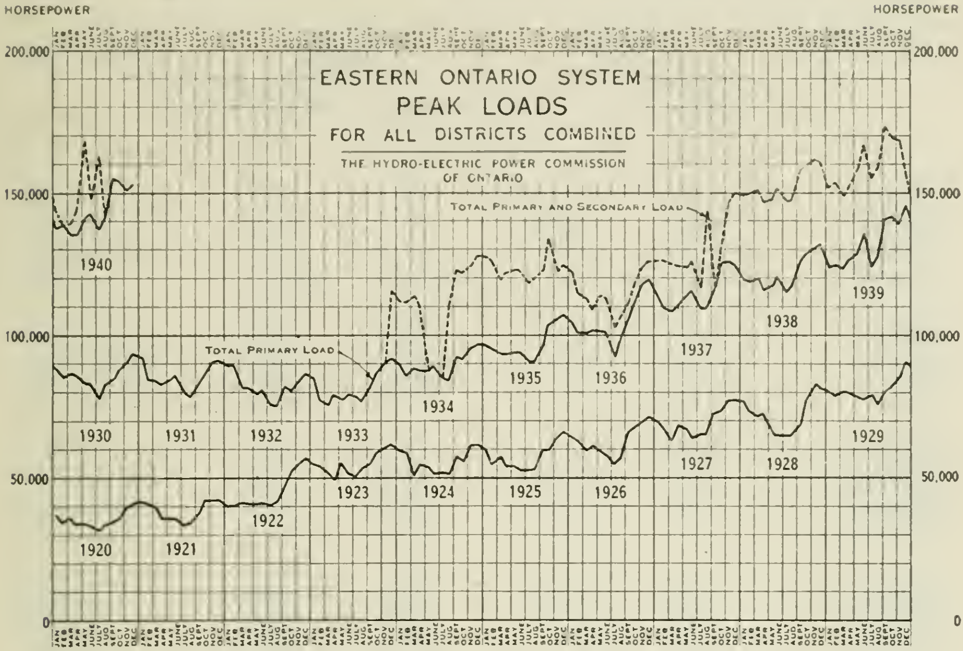
There were no serious interruptions to service of any customer on this system during the year.

Stream flow conditions on the rivers in the Eastern Ontario system were considerably below normal up to the spring run-off due to the lack of the usual amount of precipitation in the fall of 1939. The spring break-up came later than usual, and the run-off during the freshet period was less than in a normal year. However, precipitation following the freshet period averaged well above the normal expectancy, and storage reserves were conserved against anticipated heavier power demand in the fall and winter.

Valuable assistance was rendered at times during the year to the local systems of the Rideau Power Company, corporation of Fenelon Falls, Campbellford Water and Light Commission and the municipality of Renfrew, when the output of their own generating facilities was restricted by conditions beyond their control.

During the year new transmission lines were placed in service to safeguard present supplies, and provide service for new customers. On November 3, 1939, a 44,000-volt wood-pole line of approximately 2.5 miles in length, providing a second circuit to the Howard Smith Paper Mills from Cornwall transformer station, was placed in service. A 110,000-volt wood-pole line between Ottawa transformer station and Chats Falls generating station, of approximately 30 miles in length, was placed in service on March 27, 1940. This line now makes the full capacity of the Chats Falls frequency-changer station directly available to Ottawa and the eastern portion of the Eastern Ontario system. On February 25, 1940, a new 110,000-volt line was made available to serve the Aluminum Company of Canada's new plant at Kingston from Frontenac transformer station.

On August 3, 1940, a new 110,000-volt wood-pole line of approximately 20 miles in length, extending from the Masson generating station of the Maclaren-Quebec Power Company to Federal junction near Ottawa, was placed in service. This line, together with the transmission facilities of the Maclaren-Quebec Power Company, provides a direct supply of 60-cycle power to the Eastern Ontario system from the High Falls plant of the Maclaren-Quebec Power Company. Provisions under the 25-cycle contract supply to the Niagara system permits the taking of a part of this supply at 60 cycles whenever the Commission so desires. Since August 3, these facilities have been used by the Niagara system to supply a portion of the 40,000 horsepower exported to the Aluminum Company of America at Massena, New York.



EASTERN ONTARIO SYSTEM—LOADS OF MUNICIPALITIES—1939-1940

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
Alexandria	229.8	241.2	....	11.4
Apple Hill	55.0	53.1	1.9	....
Arnprior	1,176.1	1,079.1	97.0	....
Athens	119.8	133.8	....	14.0
Bath	52.1	47.6	4.5	....
Belleville	6,172.4	6,655.3	....	482.9
Bloomfield	124.4	145.6	....	21.2
Bowmanville	2,622.6	2,722.1	....	99.5
Braeside	234.6	281.9	....	47.3
Brighton	424.7	392.7	32.0	....
Brockville	3,920.0	4,443.8	....	523.8
Cardinal	319.5	364.5	....	45.0
Carleton Place	1,731.9	1,931.2	....	199.3
Chesterville	293.4	301.9	....	8.5
Cobden	75.1	83.6	....	8.5
Cobourg	2,104.4	2,357.2	....	252.8
Colborne	229.8	231.4	....	1.6
Deseronto	182.6	165.5	17.1	....
Finch	101.0	116.5	....	15.5
Frankford	155.8	158.6	....	2.8

EASTERN ONTARIO SYSTEM LOADS OF MUNICIPALITIES–1939-1940–Concluded

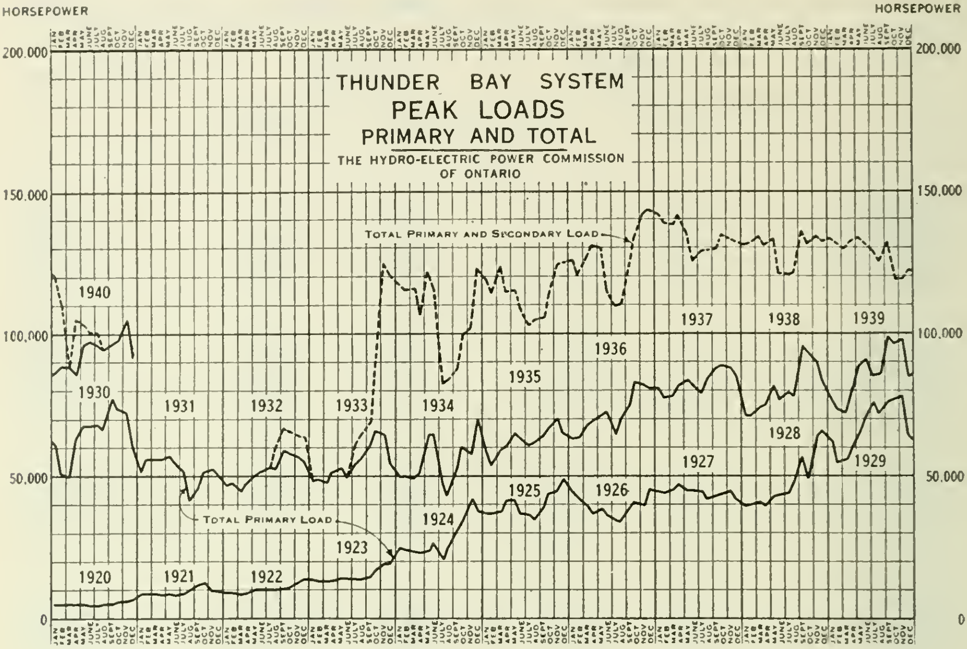
Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
Hastings	116.8	116.9		0.1
Havelock	188.8	176.0	12.8	
Iroquois		301.2		
Kemptville	423.7	378.7	45.0	
Kingston	10,414.3	11,023.1		608.8
Lakefield	319.3	313.0	6.3	
Lanark	92.6	94.0		1.4
Lancaster	56.8	54.7	2.1	
Lindsay	2,817.0	3,386.9		569.9
Madoc	213.8	217.7		3.9
Marmora	151.1	152.0		.9
Martintown	42.2	38.1	4.1	
Maxville	118.0	113.4	4.6	
Millbrook	97.5	93.3	4.2	
Morrisburg	207.4	210.9		3.5
Napanee	1,311.1	1,295.8	15.3	
Newburg	40.3	46.9		6.6
Newcastle	170.3	218.0		47.7
Norwood	171.3	178.4		7.1
Omemee	183.6	225.7		42.1
Orono	97.2	108.0		10.8
Oshawa	16,583.1	18,786.2		2,203.1
Ottawa	31,344.3	33,585.8		2,241.5
Perth	1,572.4	1,633.4		61.0
Peterborough	11,805.4	11,143.5	661.9	
Picton	1,280.2	1,198.9	81.3	
Port Hope	2,145.0	2,430.1		285.1
Prescott	1,129.4	1,203.7		74.3
Richmond	73.7	74.1		.4
Russell	72.8	93.1		20.3
Smiths Falls	2,426.7	2,555.5		128.8
Stirling	334.4	320.6	13.8	
Trenton	3,976.3	4,366.2		389.9
Tweed	271.4	343.5		72.1
Warkworth	90.5	86.5	4.0	
Wellington	254.7	230.2	24.5	
Westport	96.8	109.6		12.8
Whitby	1,355.2	1,387.7		32.5
Williamsburg	180.8	149.1	31.7	
Winchester	342.1	378.5		36.4

EASTERN ONTARIO SYSTEM—RURAL POWER DISTRICT LOADS—1939-1940

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
Alexandria	95.0	125.7	....	30.7
Arnprior	502.5	554.8	....	52.3
Belleville	606.6	676.5	....	69.9
Bowmanville	150.9	172.3	....	21.4
Brighton	30.0	32.8	....	2.8
Brockville	584.7	670.2	....	85.5
Calabogie	67.6	69.7	....	2.1
Campbellford	117.8	152.6	....	34.8
Carleton Place	78.8	86.0	....	7.2
Chesterville	410.8	510.9	....	100.1
Cobourg	547.7	582.3	....	34.6
Colborne	198.0	192.5	5.5	....
Cornwall	20.0	37.9	....	17.9
Fenelon Falls	419.6	478.1	....	58.5
Iroquois	590.9	361.3	229.6	....
Kemptville	44.1	48.6	....	4.5
Kingston	882.0	1,225.1	....	343.1
Lakefield	177.6	327.1	....	149.5
Madoc	56.1	76.3	....	20.2
Marmora	12.0	16.0	....	4.0
Martintown	174.2	208.2	....	34.0
Maxville	486.4	541.0	....	54.6
Millbrook	95.2	120.0	....	24.8
Napanee	471.7	546.0	....	74.3
Nepean	1,213.1	1,748.8	....	535.7
Newcastle	110.7	146.3	....	35.6
Norwood	64.3	78.2	....	13.9
Omemee	35.0	35.0	....	....
Oshawa	1,447.8	1.464.5	....	16.7
Pembroke	25.0	654.4	....	629.4
Perth	189.8	216.5	....	26.7
Peterborough	799.9	967.9	....	168.0
Prescott	235.0	269.5	....	34.5
Renfrew	130.0	146.1	....	16.1
Smiths Falls	357.0	435.5	....	78.5
Stirling	146.4	169.0	....	22.6
Sulphide	34.0	131.6	....	97.6
Trenton	229.8	268.5	....	38.7
Warkworth	44.2	44.9	....	.7
Wellington	518.4	837.0	....	318.6
Williamsburg	132.4	109.0	23.4	....

THUNDER BAY SYSTEM

During the latter part of the summer of 1939, as noted in last year's Annual Report, it became apparent that the inflow to lake Nipigon was below normal and the output of the generating stations on the Nipigon river



was, therefore, limited to an average weekly withdrawal of 8,400 cubic feet per second. As the lake level continued to recede, withdrawal was further reduced late in January, 1940, and since February 5, has been limited to that required for primary load purposes. Consequently there has been a comparatively small amount of energy available this year for the use of the paper mills in the electrical generation of steam. Arrangements, similar to those existing in 1939, were continued during 1940, whereby the paper mills under the control of the Abitibi Power and Paper Company were permitted to obtain secondary power from the Kaministiquia Power Company, a subsidiary of the Abitibi Power and Paper Company, through the Commission's transformers and over the Commission's transmission circuits. After February 1, however, little use was made of these facilities.

The demand for primary power on the Thunder Bay system has, on the average, been 15 per cent greater than in the previous year. However, the primary peak demand was slightly less, falling from 98,934 horsepower in the previous year to 97,855 horsepower. This was due chiefly to the seasonal demand of the grain elevators at Port Arthur and Fort William being lower than usual.

Power service to all customers in this system was well maintained. All generating and transformer stations, and all of the transmission lines have functioned reliably and satisfactorily.

The precipitation on the watershed supplying the Nipigon river plants was 16.94 inches, which is much below average. The elevation of lake Nipigon on October 31, was 849.33 as compared with 850.94 for the same time last year.

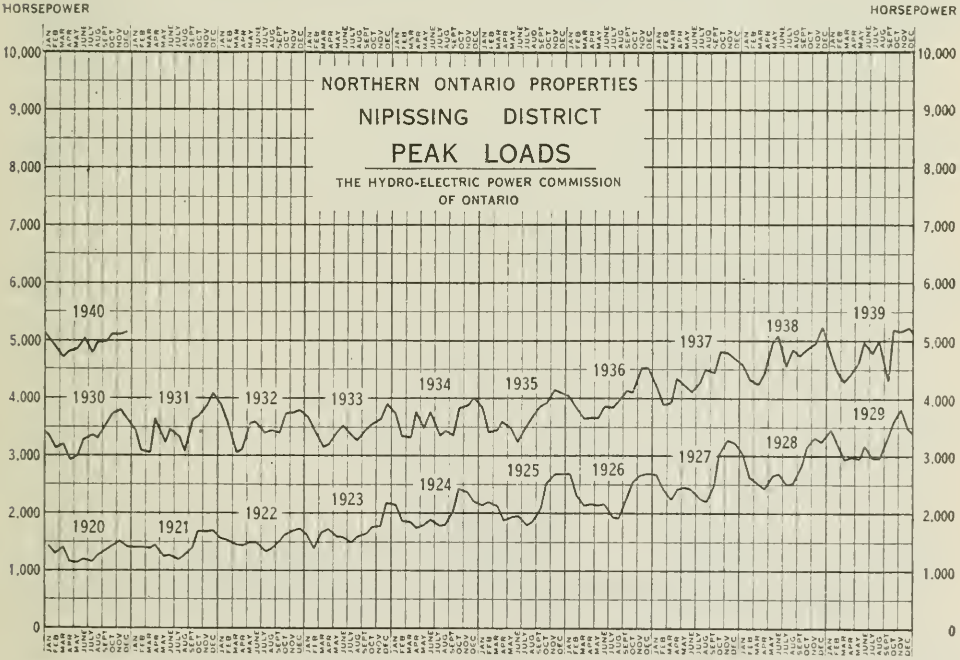
THUNDER BAY SYSTEM—LOADS OF MUNICIPALITIES—1939-1940

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
Beardmore	131.0	137.3	....	6.3
Fort William	13,597.8	15,194.3	....	1,596.5
Geraldton	551.0	690.3	....	139.3
Nipigon Township	179.9	201.7	....	21.8
Port Arthur	41,481.2	45,384 5	....	3,903.3

THUNDER BAY SYSTEM—RURAL POWER DISTRICT LOADS—1939-1940

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
Thunder Bay	437.9	586.0	....	148.1
Nipigon	5 0	6.0	....	1.0

NORTHERN ONTARIO PROPERTIES



Nipissing District

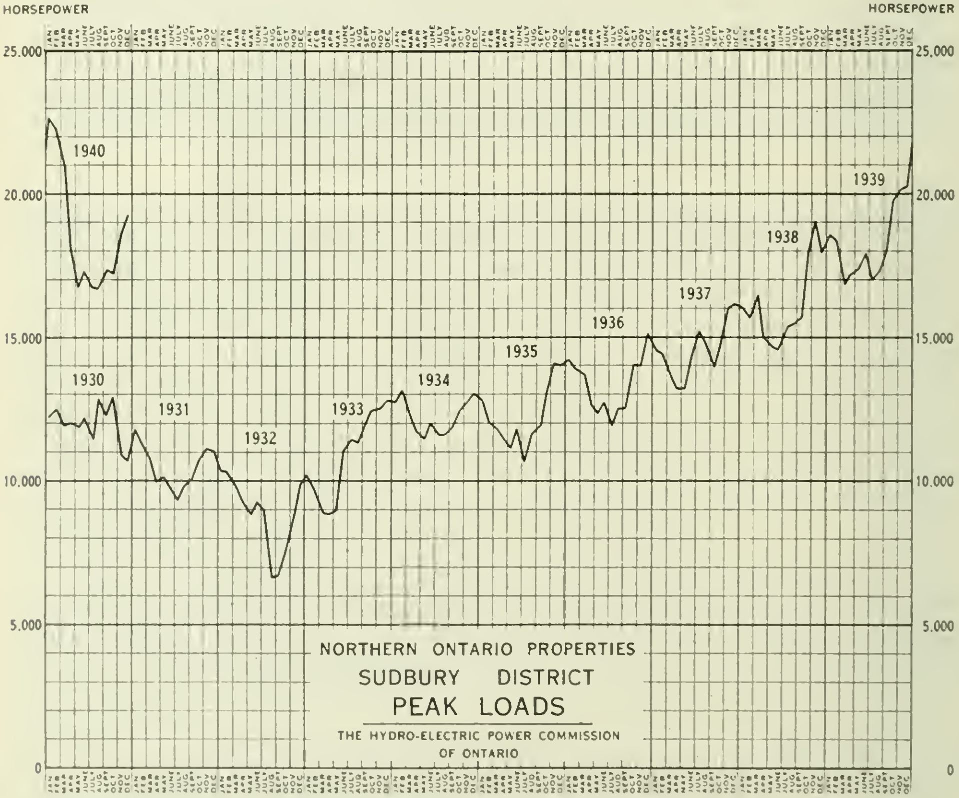
The maximum 20-minute peak on the Nipissing district was 5,232 horsepower, being slightly smaller than that of the previous year. Energy consumption, however, was 7.3 per cent greater. Precipitation on the watershed of the plants supplying the Nipissing district was below normal most of the year, and was even insufficient to fill all storage basins during the spring run-off in April and May. Consequently, from the commencement of the year to April and, also, in July and August, it was necessary to transfer to the district large quantities of power from Crystal Falls generating station in the Sudbury district. Water conditions at the close of the year were satisfactory.

Manitoulin District

Operating conditions were normal on the Manitoulin district. The peak demand of the district rose from 273 horsepower in October, 1939, to 330 horsepower in October, 1940, due largely to the extension of rural service.

Sudbury District

The maximum 20-minute peak on the Sudbury district was 22,707 horsepower, exceeding the peak of the previous year by 15 per cent. A considerable portion of this increase resulted from supplying about 2,000 horsepower of temporary power to the Huronian Company in January, February and March, when the Company was short of water at its own plants. Energy consumption during the year exceeded that of the previous year by 4.7 per cent.

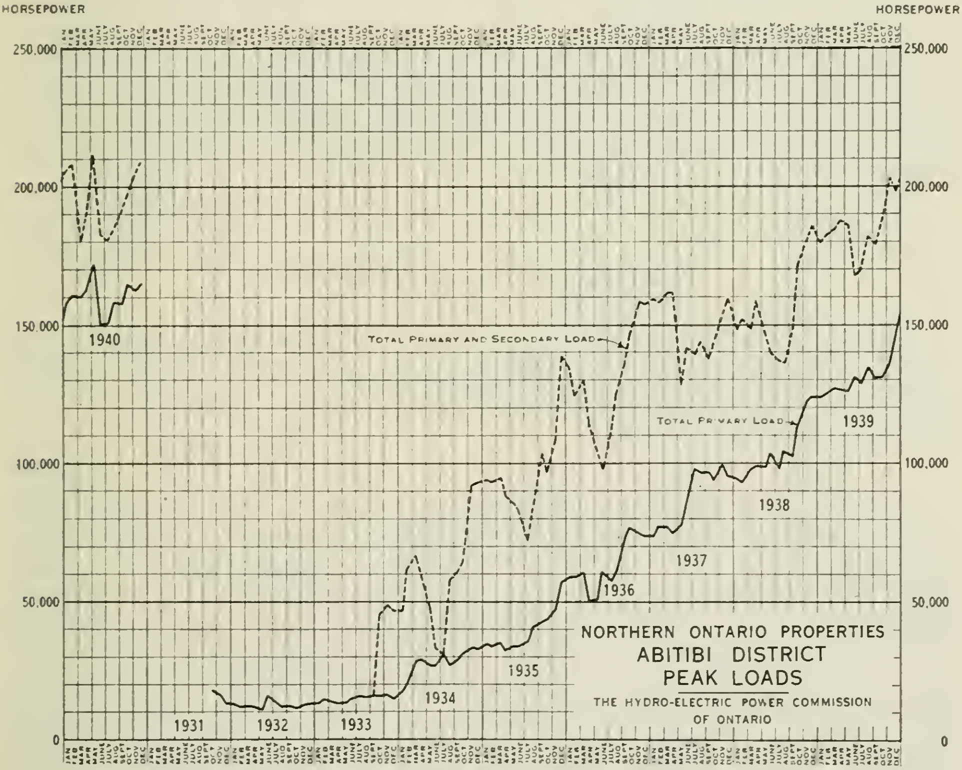


Precipitation was sub-normal on the Wanapitei and Sturgeon river watersheds during the early part of the year. However, storage basins supplying the Sudbury district were completely filled in June following the spring run-off, and river flows for the remainder of the year were maintained satisfactorily.

On March 31, the voltage of the Crystal Falls-Coniston tie line was raised from 22,000 to 110,000 volts following the installation of 8,000-kv-a transformers at both the Crystal Falls and Coniston generating stations. The tie line was re-insulated last year for the higher voltage. This change permits the transfer of the full capacity of Crystal Falls generating station to Coniston, which at 22,000 volts was not heretofore practicable.

Abitibi District

Output of the Abitibi Canyon generating station, as governed by flow and storage conditions on the Abitibi river, was at all times adequate to meet the primary demand in the Abitibi district. The phenomenal growth experienced in this district for the past several years continued, the primary peak rising from 130,968 horsepower in October, 1939, to 164,879 horsepower in October, 1940, a gain of 25.9 per cent. The average primary load was 24.6 per cent above that of the previous year.



Precipitation in the watershed supplying the Abitibi Canyon generating station was subnormal during the first half of the year, and it became necessary late in November to conserve water storage by curtailing the secondary energy supply to the Smooth Rock Falls station of the Abitibi Power and Paper Company for the electrical generation of steam. Further curtailment of this supply, without curtailing mill production, was arranged early in February by the part-time transfer of certain quantities of power to the Smooth Rock Falls station from the Island Falls generating station of the Abitibi Electrical Development Company. On April 23, with the commencement of the spring run-off, these measures were discontinued as the output of the Abitibi Canyon generating station was then adequate to meet all primary and secondary power demands. All storage basins were filled early in June, and water conditions in this district were satisfactory during the remainder of the year.

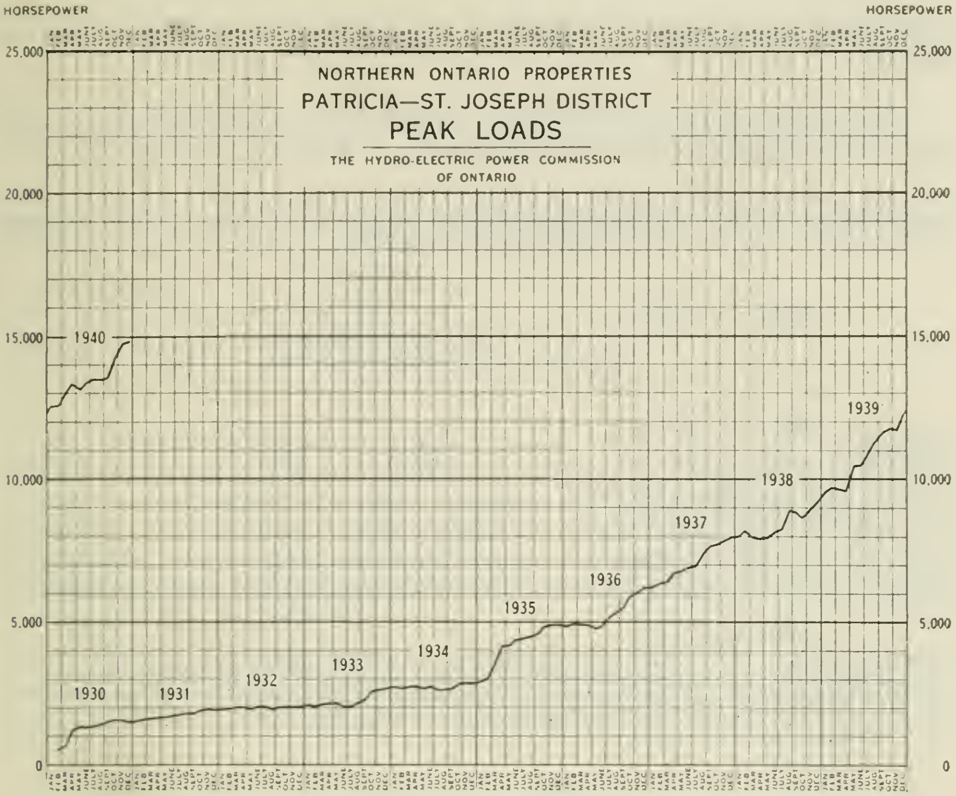
No special difficulties were encountered in the operation of this district during the year. The forebay boom at the Abitibi Canyon generating station broke loose, due to shore ice, and was lost on May 13. It was replaced by a specially designed boom on July 4.

Through the year there were no serious interruptions to customers' services. High-tension oil switches, with suitable relays, which were placed in service at the Timmins transformer station in August, have tended to reduce the number of automatic line outages caused by lightning south of Timmins.

Patricia-St. Joseph District

The load trend of the Patricia-St. Joseph district was upward during the year. The peak rose from 11,792 horsepower in the previous year to 14,209 horsepower, an increase of 20.5 per cent. Energy consumption in the district was up 31.5 per cent.

To provide for the rapidly increasing load, the capacity available for the Patricia-St. Joseph district was increased early in January, when a third unit was placed in service at the Ear Falls generating station. In general the Ear Falls and Rat Rapids generating stations were operated in parallel throughout the year. Late in the summer, part of the load formerly carried on the Rat Rapids generating station was transferred to the Ear Falls generating station, so that by increasing outflow from lac Seul through this station the level of the English river below Ear Falls could be raised to improve navigation. This transfer of load also reduced the draw-down of the elevation of lake St. Joseph, and maintained more efficient operating conditions for the Rat Rapids plant. Towards the end of the year, the outflow from lac Seul was further increased at the request of the Lake-of-the-Woods Control Board, and the majority of the load of the Patricia-St. Joseph district was then carried by the Ear Falls generating station. Precipitation in the watersheds supplying this district has been below normal, with the result



NORTHERN ONTARIO PROPERTIES—LOADS OF MUNICIPALITIES—1939-1940

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
NIPISSING DISTRICT				
Callander	161.1	154.2	6.9	....
Nipissing	3.0	3.0	....	....
North Bay	4,228.3	4,133.2	95.1	....
Powassan	182.4	148.0	34.4	....
SUDBURY DISTRICT				
Capreol	211.9	247.2	....	35.3
Sudbury	9,150.3	9,276.7	....	126.4
ABITIBI DISTRICT				
Hislop Townsite	39.1	59.1	....	20.0
Kearns Townsite	111.0	108.8	2.2	....
King Kirkland Townsite	46.1	46.8	....	.7
Matachewan Townsite	179.6	226.5	....	46.9
Mooretown Townsite	41.0	50.9	....	9.9
Ramore-Matheson Townsite	120.0	137.5	....	17.5
PATRICIA-ST. JOSEPH DISTRICT				
Hudson Townsite	78.7	91.4	....	12.7
Sioux Lookout	289.8	318.5	....	28.7
Cottage Cove Townsite	....	21.8	....	....
Red Lake Distribution	148.0	161.7	....	13.7

that it has been necessary to draw on storage from lac Seul and lake St. Joseph.

On March 31, a 41-mile section of 44,000-volt transmission line was placed in service from Uchi switching station to supply Jason Gold Mines.

NORTHERN ONTARIO PROPERTIES—RURAL POWER DISTRICT LOADS—1939-1940

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1939	July to Dec., 1940	Decrease	Increase
NIPISSING DISTRICT				
North Bay	446.1	440.1	6.0	....
Powassan	18.0	77.0	....	59.0
MANITOULIN DISTRICT				
Manitoulin	305.6	386.0	....	80.4
SUDBURY DISTRICT				
Sudbury	324.3	443.7	....	119.4
ABITIBI DISTRICT				
Connaught	....	138 5	....	....

SECTION III

MUNICIPAL WORK

THE Commission acts in an advisory capacity to the municipalities with which it has contracts, and assists the municipal officials to purchase, construct or extend distribution systems. As provided under *The Power Commission Act*, all rate adjustments are approved by the Commission, therefore, a study of the operating conditions of all utilities is made annually and adjustments recommended.

In rural power districts, the Commission on behalf of the township corporations operates the rural power systems and distributes electrical energy to the customers of the respective corporations in all such rural power districts.

NIAGARA SYSTEM

Under the terms of contracts entered into during the fiscal year 1938 the Commission took delivery of the following additional amounts of power from:

	Horsepower
Gatineau Power Company and Gatineau Transmission Company	60,000
Maclaren-Quebec Power Company and The James Maclaren Company Limited	20,000
Total additional power taken	80,000

The municipal load supplied showed an increase of 9.2 per cent in urban municipalities and 11.3 per cent in rural power districts.

Engineering Assistance to Municipalities

General engineering assistance was given to nearly all municipalities of the Niagara system respecting the operation and management of their local Hydro utilities.

Certain municipalities received special engineering advice and assistance respecting matters which are more fully referred to below:

Agincourt—Increased load in the police village of Agincourt and in the Scarboro rural power district required a new substation at Agincourt.

Aylmer—The distribution system on the main street was rebuilt and enlarged; this involved the removal of the poles and the installation of modern street lighting.

Bolton—To provide for increasing loads in Bolton and the surrounding district, formerly fed from Kleinburg, a distribution station was constructed near the south limits of the village.

East York—Two distributing stations, numbers 1 and 3, were put into service April 27 to supply power formerly received through the Toronto Hydro-Electric System. The office building is being enlarged.

Etobicoke Township—A new distributing station in the Kingsway district was put into service on June 14, to relieve overloading of other stations in the township.

Forest Hill—On April 30 the work of enlarging Forest Hill station was completed and all power requirements of the Village supplied from this station, thus terminating the arrangements for a supply from the Toronto Hydro-Electric System.

Grimsby—The work of changing over the distribution system for 25-cycle operation was started and it is expected the conversion will be completed in 1941. A new substation of 1,500-kv-a capacity was erected for serving Grimsby and the adjacent rural power district.

Hamilton—Owing to a great industrial expansion, additional high-tension station facilities, consisting of two 25,000-kv-a transformers together with the required low-tension feeders were installed. Low-tension tie lines giving duplicate service to existing substation facilities were also constructed.

Ingersoll—The distribution system was changed from 2,300 volts delta to 4,000-volt grounded wye system; this involved changes and an increase in capacity in the step-down station receiving 26,400-volt power.

Kitchener—Following a study of present and future load requirements, a substantial increase in the Kitchener substation capacity was undertaken. The transformers at substation No. 1 are being replaced with modern equipment; the capacity of substation No. 3 is being doubled, and two new unit-type substations are being designed and will be installed early in 1941.

All transformers are similar, having a normal rating of 3,000 kv-a, or 3,750 kv-a under forced-air cooling. The primary voltage is 13,200 and the secondary 2,300 star connected.

London—An additional 3,000 feet of 13,200-volt cable and a new 1,500-kv-a outdoor substation was installed in the east-end industrial section.

North York Township—To take care of the normal growth of this municipality, as well as a war industry, a new station was put into service.

St. Catharines—Practically all domestic and commercial-lighting customers served by the Lincoln Electric Light and Power Company, Limited, are now served from the 25-cycle system and a large portion of the 66-2/3-cycle distribution system was dismantled.

St. Thomas—The main bus in the St. Catharines street substation was rebuilt with heavier conductor with an emergency bus added as well as disconnecting switches on each side on the feeder breakers. Ground relays are to be installed on the two incoming 13,200-volt feeders to operate in conjunction with the 13,200-volt reactor at the St. Thomas transformer station.

Scarboro Township—To improve voltage conditions in the south-westerly section of the township and to relieve the load on the main Scarboro stations, a new 1,500-kv-a station was put into service.

Smithville—During the year this police village entered into a cost contract with the Commission for a 25-cycle supply. The necessary changes in the distribution system and customers' equipment were made and the municipality is now operating on 25 cycles from a new substation.

Tillsonburg—The substation was rehabilitated and modern equipment installed. At the same time provision was made to receive 26,400-volt supply, as the Woodstock high-tension station supply feeder voltage will be changed during the coming year from 13,200 to 26,400 volts.

Windsor—A 26,400-volt tie line of 4/0 copper was completed between No. 1 substation Windsor and No. 1 substation Walkerville. This completes an alternative 26,400-volt feed to all the substations in Windsor. Work was commenced on a new 26,400-volt, 4/0 copper feeder from No. 3 substation to Sandwich substation, where the wooden switch structure is being replaced by a modern steel structure.

Woodstock—At the Woodstock high-tension station preparations were made for a change in the supply feeder voltage from 13,200 to 26,400 volts.

GEORGIAN BAY SYSTEM

The total increase in average load sold over the previous year was 10.5 per cent, although the highest twenty-minute peak established was only 5 per cent greater than that of 1939. This variation is due to the adoption and continuation of daylight-saving time in several towns on the system. Otherwise, the increase in the peak load would possibly have been greater than that of the total load sold.

No change occurred in the number of urban municipalities, or rural power districts served by the system during the year, the total being sixty-four of the former, and forty-eight of the latter. The average load sold increased by 9.4 per cent to urban municipalities, by 17.4 per cent in the rural power districts, and by 10.7 per cent for system customers. War industries were responsible for a large increase established near the end of the year by system customers.

General engineering advice and assistance was given to all urban municipalities on the Georgian Bay system in connection with the operation of local distribution systems. Certain municipalities received special engineering advice and assistance regarding matters referred to below.

Alliston—Estimates were submitted for an improved street lighting system in the business section.

Camp Borden—A large portion of the distribution system was reconstructed and the voltage changed from 2,200 to 4,000. The substation capacity was increased by the installation of a new bank of transformers.

Uxbridge—New electrically driven pumping units for domestic supply and fire purposes, with gasoline auxiliary were installed in connection with a new water works system.

EASTERN ONTARIO SYSTEM

The power sold on the Eastern Ontario system showed a sharp increase in 1940, principally due to munitions load or to industries directly affected by war conditions, and with a few exceptions the load increased in all municipalities and rural power districts.

The total amount of power delivered to urban municipalities and rural districts amounted to 117,795 horsepower in 1940, an increase of 8.8 per cent.

The Eastern Ontario system is now taking all the power available from the Commission's generating stations on this system and is also taking all the 60-cycle power provided under the Commission's contract with the Gatineau Power Company. A new generating station is now under construction on the Madawaska river, and for immediate future requirements the system can obtain a supply of power from the Niagara system through the frequency-changer at Chats Falls.

General engineering assistance was given to nearly all municipalities on the Eastern Ontario system in connection with the operation and management of their local Hydro utilities.

Certain municipalities received special engineering advice and assistance with regard to matters detailed below.

Belleville—The city is preparing to add 1,500 kv-a in transformer capacity to its substation.

Iroquois—The village has entered into a cost contract with the Commission and commenced to take power on February 10, 1940, from a new substation in the village.

Kingston—Growth in load due to added industries in and adjacent to the city will require a new substation.

National Research Council—To give service to the new laboratory of the National Research Council, near Ottawa, the Commission has constructed a 110,000-volt line and a new substation.

Peterborough—Extensive changes in the distribution system have been undertaken. A large munition load will be served direct from the high-tension lines.

THUNDER BAY SYSTEM

Three urban and two rural areas are served by the Thunder Bay system, viz: the cities of Port Arthur and Fort William, and Nipigon village; and the Thunder Bay and Nipigon rural power districts. Large industrial supply is given mostly to pulp and paper mills, terminal grain elevators, and mines in the Sturgeon river and Longlac districts west of lake Nipigon in which ten producing gold mines are now served. Although the power loads of the terminal grain elevators have suffered some curtailment on account of war conditions, the demands of the pulp and paper industry were greatly increased, which, together with a considerable growth in the mining load as well as in that of the urban and rural districts, has created a net increase for the total load sold of 13.8 per cent over 1939. The municipal load shows an increase of 8.5 per cent; the rural load 32.5 per cent and the mining load 6.9 per cent. One pulp mill, which was idle for the greater part of the previous year, was again placed in operation, and one of the large pulp and paper mills increased its load by 14.6 per cent.

Due to low precipitation in the fall of 1939, and the winter of 1940, and reduced flow on the Nipigon river, the power supplied on an "at-will" basis for electric steam generation at pulp and paper mills was curtailed, resulting in a loss of revenue from this class of service. However, the general load increase in all other classes of customers served, except that of the grain trade, resulted in a gross revenue gain of 5.6 per cent.

Engineering assistance and advice relative to the operation of the local distribution systems was given to the cities of Fort William and Port Arthur, also to Nipigon township. All of the ten mining properties served were also visited periodically for the purpose of assisting in the power supply problems of these customers.

NORTHERN ONTARIO PROPERTIES

The Northern Ontario Properties comprise the generating plants and transmission lines in the areas of northern Ontario lying north and west of, and including Sudbury and North Bay between the Quebec and Manitoba boundaries, excluding the territory served by the Thunder Bay system. These properties are held in trust and operated by the Commission on behalf of the Province. Operations in this territory involve power supply to fifty-one mining properties, two cities, four towns and ten villages, hamlets and mining townsites, as well as power supply to the Canada Northern Power Corporation, which operates in the northern portion of the same area and in portions of the province of Quebec adjacent to the Ontario boundary.

As in previous years, since the Commission first entered this field in 1929 there was, during 1940, large expansion in load growth, the increase in load sold being 31,000 horsepower or approximately 20 per cent.

All of the mining properties served, as well as the municipal and townsite distribution systems, were visited periodically for the purpose of rendering engineering assistance on power supply problems. Similar assistance was also given to a number of mines in the prospect stage.

Nipissing District

This district includes the area adjacent to the city of North Bay, the town of Powassan and the village of Callander, together with the North Bay and Powassan rural power districts. Three generating plants on the South river, and the Crystal Falls development on the Sturgeon river, form the sources of power supply. The increase in load sold over the previous year was 5.4 per cent. During the year the distribution system in the city of North Bay was sold to the Corporation, after enabling and money by-laws were voted on and approved by the ratepayers. Power purchase and sale agreements were executed between the Commission and the Corporation. The Commission operated the distribution system in North Bay from the date of transfer, June 1, until the end of the year. In 1941 the system will be operated by a local Commission.

Sudbury District

This district includes the city of Sudbury and areas adjacent thereto. Power is supplied from three hydro-electric developments on the Wanapitei river and the Crystal Falls development on the Sturgeon river. Power is supplied to the city of Sudbury, the town of Capreol, the hamlet of Garson, the Sudbury rural power district, and for mining purposes to The International and Falconbridge Nickel Companies. The load sold to the city of Sudbury increased by 11.3 per cent, and the total district load sold increased by 7.1 per cent during the year. To provide for load growth a second substation was placed under construction in Sudbury.

Abitibi District

The Abitibi district includes the areas served by the Abitibi Canyon development. Power is supplied chiefly for mining purposes in the mining districts of Porcupine, Kirkland Lake, Larder Lake, Matachewan, and Sudbury, and to The Canada Northern Power Corporation. The increase in load sold in this district over the previous year was 20.9 per cent. In addition to power supply for thirty-one mining customers, service is also given to four mining townsites, one town and one village, all of which have shown an increase in both load sold and additional customers served.

Patricia-St. Joseph District

This district comprises the combined areas served by the Ear Falls development on the English river, and the Rat Rapids development on the Albany river, both of which feed into one interconnecting network of transmission lines. Power is supplied to eleven mines in Red Lake, Woman Lake and Pickle Lake mining districts and to the mining townsites of Red Lake and Cottage Cove, the hamlet of Hudson and the town of Sioux Lookout. A contract was negotiated with The Dryden Paper Co. Ltd. for a large block of power on an "at-will" basis to be delivered early in the new year. The total load sold in this district increased 30.7 per cent.

RURAL ELECTRICAL SERVICE IN ONTARIO
Hydro service brings to Ontario farmers a high standard of living and relief from many arduous tasks in house, dairy and barn

RURAL ELECTRICAL SERVICE
IN ONTARIO

THE year 1940 completed a period of twenty years during which the Commission extended rural lines to serve consumers in areas known as rural power districts. It is nearly thirty years since the Commission first supplied rural electrical service to consumers. During the first ten years, service was supplied to townships and in most cases lines were constructed from existing municipal urban systems. During the last twenty years the supplying of electrical service in rural districts has been undertaken by the formation of rural power districts, whose boundaries are not arbitrary geographical limits, such as define the areas of townships, but depend rather upon the economic distance which may be served from a distribution centre.

The land area of the Province of Ontario extends over a vast territory of 363,282 square miles, of which about 35,700 square miles are occupied for agriculture. The total rural population in the area served by The Hydro-Electric Power Commission, or in adjacent areas within transmission distance of the Commission's power supply, is approximately 1,100,000.

There are 184 operating rural power districts, and power is delivered to approximately 123,000 rural consumers, comprising farms and dwellings in various groups. The consumers are situated in 422 organized townships; 16 unorganized townships and 119 police villages, villages and towns, and are served over a network of rural primary lines which aggregate 19,492 miles. In addition to the 438 townships served by rural power districts, 10 townships are served jointly by rural power districts and voted areas.

During the past year the mileage of rural line extensions approved for construction in rural power districts in Ontario was 1,340. In all, 9,865 consumers were added. The aggregate load supplied to all rural Hydro consumers in the Province amounted to 70,018 horsepower, an increase of 13.6 per cent over 1939.

Census data indicate that there are approximately 200,000 farms in Ontario, varying from one acre to six hundred acres or larger. It would be erroneous, however, to conclude that hydro-electric service will eventually extend to such a number of farms. Approximately ten per cent of these are very small, and service to them, if available, is supplied by the Commission under rates applicable to non-farm classes. There are also large numbers of farms jointly owned and tenanted, some having no residential buildings on them, and there are also a large number situated in remote districts out of reach of Hydro lines and stations.

During the period that the regulations respecting service to rural consumers required a minimum of three farm contracts per mile of primary line, the Commission made surveys in various parts of the Province and estimated that approximately 75,000 standard or large farms would comprise the probable ultimate total of farms that could be served on this basis. Since that time new regulations have been made permitting service on the basis of two farms per mile, which necessarily has increased the number of additional farms that may be served.

For the next year it is anticipated that the miles of primary line constructed will be about 80 per cent of the number constructed during the past year. As the lines extend into the more remote districts, however, the average number of farms that can be served per mile of line and the number of farms remaining to be served will become smaller, and therefore the mileage of rural lines constructed each year will decrease.

Recent estimates of the major electrical appliances used in rural power districts are set out in the following table:

ELECTRICAL APPLIANCES IN USE AMONG FARM CONSUMERS IN RURAL POWER DISTRICTS

Data for all systems for the year 1939

On the farm			In the farm home		
Item	Number of appliances	Percentage of saturation	Item	Number of appliances	Percentage of saturation
Motor	8,236	15.4	Range	9,196	17.2
Pump	7,144	13.4	Hot plate	11,326	21.2
Grain grinder	2,986	5.6	Washer	31,054	58.2
Milking machine	1,620	3.0	Vacuum cleaner	7,623	14.3
Milk cooler	944	1.8	Water heater, flat rate	2,157	4.0
Cream separator	3,518	6.6	" " metered	1,046	1.9
Churn	474	0.8	Grate	375	0.7
Incubator	621	1.2	Portable air heater	4,333	8.1
Brooder	642	1.2	Ironer	608	1.1
Hot bed	45	....	Irons	40,181	75.3
Water heater, flat rate	105	0.2	Refrigerator	6,528	12.2
" " metered	47	....	Toaster	27,342	51.2
Miscellaneous	558	1.0	Radio	38,315	71.8
			Furnace blower	847	1.6
			Pump	8,079	15.1
			Miscellaneous	1,536	2.9

The following table makes comparison between rural and urban use:

ELECTRICAL APPLIANCES IN USE IN HOMES OF URBAN AND RURAL CONSUMERS—1939

Electrical appliance	R.P.D. Hamlet		R.P.D. Farm		Urban	
	Number of appliances	Percentage of saturation	Number of appliances	Percentage of saturation	Number of appliances	Percentage of saturation
Range	6,250	12.5	9,196	17.2	159,179	30.5
Hot plate	12,013	23.9	11,326	21.2	91,326	17.5
Washer	23,030	45.9	31,054	58.2	253,509	48.6
Vacuum cleaner	7,788	15.5	7,623	14.3	174,240	33.4
Water heater, flat rate	1,683	3.3	2,157	4.0	57,426	11.0
Water heater, metered	917	1.8	1,046	1.9	56,104	10.7
Grate	405	0.8	375	0.7	37,814	7.2
Air heater	3,729	7.4	4,333	8.1	148,961	28.5
Ironer	705	1.4	608	1.1	15,056	2.9
Iron	33,476	66.8	40,181	75.3	479,785	91.9
Refrigerator	7,178	14.3	6,528	12.2	104,643	20.1
Toaster	24,794	49.5	27,342	51.2	312,905	60.0
Radio	35,145	70.1	38,315	71.8	406,456	77.9
Furnace blower	931	1.8	847	1.6	32,044	6.1
Grill	....	....	....	....	52,170	10.0
Pump	6,042	12.0	8,079	15.1	....	....
Air conditioner	....	....	....	....	5,361	1.0
Miscellaneous	2,011	4.0	1,536	2.9	....	....

Standard Number of Consumers per Mile

Effective May 1, 1938, the Commission received authority by Order-in-Council to construct rural primary lines on a basis of two farms per mile under existing rates. This new basis does not include service to summer cottages, which remains on the previous basis of three farms per mile. The standard number of consumers required per mile varies according to the class of service rendered. For this purpose a unit rating is allocated to each class of consumer. A total of ten units per mile made up by various classes of consumers is required before construction work is undertaken.

The following table shows the number of units for each class of service:

Class of consumer	Service	Units per class applicable to number per mile—May 1, 1938			
		A—Regular rural consumers		B—Summer cottage consumers	
		Units per contract	Contracts per mile	Units per contract	Contracts per mile
1B	Hamlet lighting	2.25	4.4	1.5	6.7
1C	Hamlet lighting (range)	3.75	2.7	2.5	4
2A	House lighting	1.9	5.3	1.25	8
2B	Small farm service (50 acres or less)	3.5	2.9	2.35	4.3
3	Light farm service (over 50 acres)	5	2	3.35	3
4	Medium farm service (single-phase)	5	2	3.35	3
5	Medium farm service (three-phase)	5	2	3.35	3
6A	Heavy farm service (single-phase)	5	2	3.35	3
6B	Heavy farm service (three-phase)	5	2	3.35	3
7A	Special farm service (single-phase)	5	2	3.35	3
7B	Special farm service (three-phase)	5	2	3.35	3

Cabin Service

Arrangements were made during the year to provide the Commission's rural customers with electric service to cabins at special rates, which call for a service charge of 30 cents gross per cabin per month and five kilowatt-hours extra per cabin per month to be added to the first kilowatt-hour block. The rates are subject to the usual ten per cent discount for prompt payment. This cabin service is supplementary to the regular supply contract and applies to the months of June, July, August and September of each year.

Maximum Consumption Charge

The Commission has found that the maximum economic limit of the first domestic use through the rural power districts of the Province is 6 cents per kilowatt-hour. In all rural power districts the first consumption rate is fixed at a maximum of 6 cents per kilowatt-hour. The second rate has a maximum of 2 cents per kilowatt-hour which applies to all districts.

Low Third Consumption Rate for Long-Hour Users

In 1934 the Commission made available for rural consumers a special energy rate for long-hour users of power. This low rate particularly affects under-earth heating (hot-beds) and heating of water. Where the extra use of energy may be obtained from the present equipment, a third follow-up rate per kilowatt-hour of 0.75 cents gross is given in all districts. The first rate remains unchanged, except that as pointed out above it is subject to a maximum of 6 cents per kilowatt-hour, and the killowatt-hours to be charged at the first rate remain unchanged. The number of kilowatt-hours to be charged at the second rate varies both with the class of service and the first kilowatt-hour rate. At the head of the table of rural rates at the end of this section is a schedule which shows the class of service, the number of kilowatt-hours per month to be charged for at the first rate, and the number of kilowatt-hours at the second rate according to the governing first rate.

Average Cost to Rural Consumers Decreasing

The remarkable benefits obtained by rural communities in regard to the amount charged to them during the period 1928 to 1939 is indicated in the following tables:

HAMLET AND HOUSE LIGHTING SERVICE

Classes 1B, 1C and 2A

Year	Annual revenue	Kilowatt-hours consumed	Number of consumers billed*	Average revenue per kw-hr.	Average monthly bill	Average monthly consumption, kw-hr.
	$ c.			cents	$ c.	
1928	530,407 00	10,702,031	17,585	4.95	2.51	50.7
1929	663,311.00	14,424,770	21,219	4.60	2.85	62.0
1930	757,558.00	17,815,987	25,013	4.25	2.73	64.2
1931	974,224.17	22,127,474	31,176	4.40	2.88	65.6
1932	1,075,081.03	24,654,386	33,638	4.36	2.76	63.3
1933	1,133,368.70	25,410,470	35,941	4.46	2.70	60.1
1934	1,149,876.67	27,768,460	37,466	4.14	2.61	63.0
1935	1,171,873.28	30,802,290	39,751	3.80	2.53	66.5
1936	1,239,010.83	35,666,241	43,014	3.47	2.49	71.8
1937	1,331,919.46	40,935,040	46,785	3.25	2.47	76.0
1938	1,439,681.39	47,612,820	52,514	3.02	2.42	79.9
1939	1,649,496.29	54,787,544	58,328	3.01	2.48	82.4

*See footnote to next table.

FARM SERVICE

Classes 2B, 3, 4, 5, 6A, 6B, 7A and 7B

Year	Annual revenue	Kilowatt-hours consumed	Number of consumers billed*	Average revenue per kw-hr.	Average monthly bill	Average monthly consumption, kw-hr
	$ c.			cents	$ c.	
1928	569,007.00	10,969,828	9,309	5.18	4.97	96.1
1929	777,736.00	16,022,842	12,605	4.85	5.85	120.8
1930	863,805.00	20,507,063	16,011	4.21	5.03	119.4
1931	1,128,554.28	25,716,141	20,796	4.39	5.11	116.4
1932	1,255,482.13	28,675,400	22,432	4.38	4.84	110.5
1933	1,309,122.96	30,062,194	23,283	4.35	4.75	109.2
1934	1,319,922.69	33,312,314	23,882	3.96	4.66	117.7
1935	1,343,222.39	37,667,453	25,357	3.57	4.55	127.5
1936	1,385,784.39	45,447,669	28,198	3.05	4.31	141.4
1937	1,366,484.50	54,858,240	35,508	2.49	3.57	143.5
1938	1,711,788.81	67,886,882	44,565	2.52	3.56	141.3
1939	2,090,259.14	81,613,087	53,240	2.56	3.56	139.1

*It may be observed that the number of consumers reported here does not agree with those shown in other sections of the Annual Report of the Commission. This is due to the fact that the figures given here represent consumers actually billed, whereas elsewhere in the Report the tables show the number of contracts executed to the end of the fiscal year. In many cases service is not given until the following year.

Rural Loans

Under The Rural Power District Loans Act, 1930, authority was given to The Hydro-Electric Power Commission of Ontario to finance the installation of wiring and the purchase of specified electrical equipment by rural farm consumers.

To October 31, 1940, 2,377 applications had been received and of these 1,772 loans were completed. As all applications for loans are governed by regulations made subject to the provisions of the Act, it will be seen that quite a number fail to meet the requirements of these regulations.

To October 31, 1940, 792 loans had been repaid in full either through the maturing of the loan or because of the improved financial position of the borrower.

During the fiscal year ended October 31, 1940, there were received 284 applications which, with the 48 carried over from last year, were disposed of as follows:

Loans completed	247
Withdrawn	27
Did not meet requirements	6
Cheques issued but refused by applicants and cancelled	7
Not approved	40
Approved waiting final papers	5
	332

SUMMARY OF LOANS MADE TO OCTOBER 31, 1940

Fiscal year ended Oct. 31	Applications received	Loans consummated	Amount of loans
			$
1931	126	74	23,542
1932	226	187	40,160
1933	144	111	20,975
1934	107	81	14,855
1935	235	169	32,450
1936	307	212	40,550
1937	230	155	29,615
1938	321	240	47,265
1939	356	296	61,445
1940	284	247	49,215
Total	2,336	1,772	360,072

LOANS GRANTED TO CONSUMERS IN RURAL POWER DISTRICTS

System	Total to Oct. 31, 1939		Nov. 1. 1939, to Oct. 31, 1940		Total to Oct. 31, 1940	
	No.	Amount	No.	Amount	No.	Amount
		$		$		$
Niagara	1,246	243,930	182	35,570	1,428	279,500
Georgian Bay	202	49,197	43	8,640	244	57,837
Eastern Ontario	68	15,670	20	4,460	89	20,130
Thunder Bay	3	770	2	545	5	1,315
Manitoulin R.P.D.	6	1,290			6	1,290
All systems	1,525	310,857	247	49,215	1,772	360,072

The average loan for 1939, $207.58; for 1940, $199.25. The average for all loans, $203.20

DETAILS OF TOTAL COST OF EQUIPMENT ON WHICH RURAL LOANS WERE GRANTED TO OCTOBER 31, 1940

Items applied for (including installation) in loans which have been made	Totals for 1,525 loans made to October 31, 1939		Totals for 247 loans made during year to October 31, 1940		Totals for 1,772 loans made to October 31, 1940	
	Number affected	Cost to consumers	Number affected	Cost to consumers	Number affected	Cost to consumers
		$ c.		$ c.		$ c.
Service	523	27,983.09	72	3,888.44	595	31,871.53
House wiring	526	43,951.62	75	5,162.88	601	49,114.50
Building wiring	496	37,623.04	59	4,192.23	555	41,815.27
Motors	53	5,327.96	1	73.75	54	5,401.71
Grain grinders	812	164,594.97	127	29,207.90	939	193,802.87
Pumping systems	129	18,905.26	27	4,714.91	156	23,620.17
Milking machines	33	9,643.15	8	2,370.42	41	12,013.57
Washing machines	46	4,705.85	4	349.95	50	5,055.80
Milk coolers	81	18,082.17	19	3,891.50	100	21,973.67
Ranges	2	325.00	1	169.50	3	494.50
Cream separators	2	180.00			2	180.00
Totals		331,332.11		54,021.48		385,343.59

ELECTRICAL PASTEURIZATION AND COOLING OF MILK

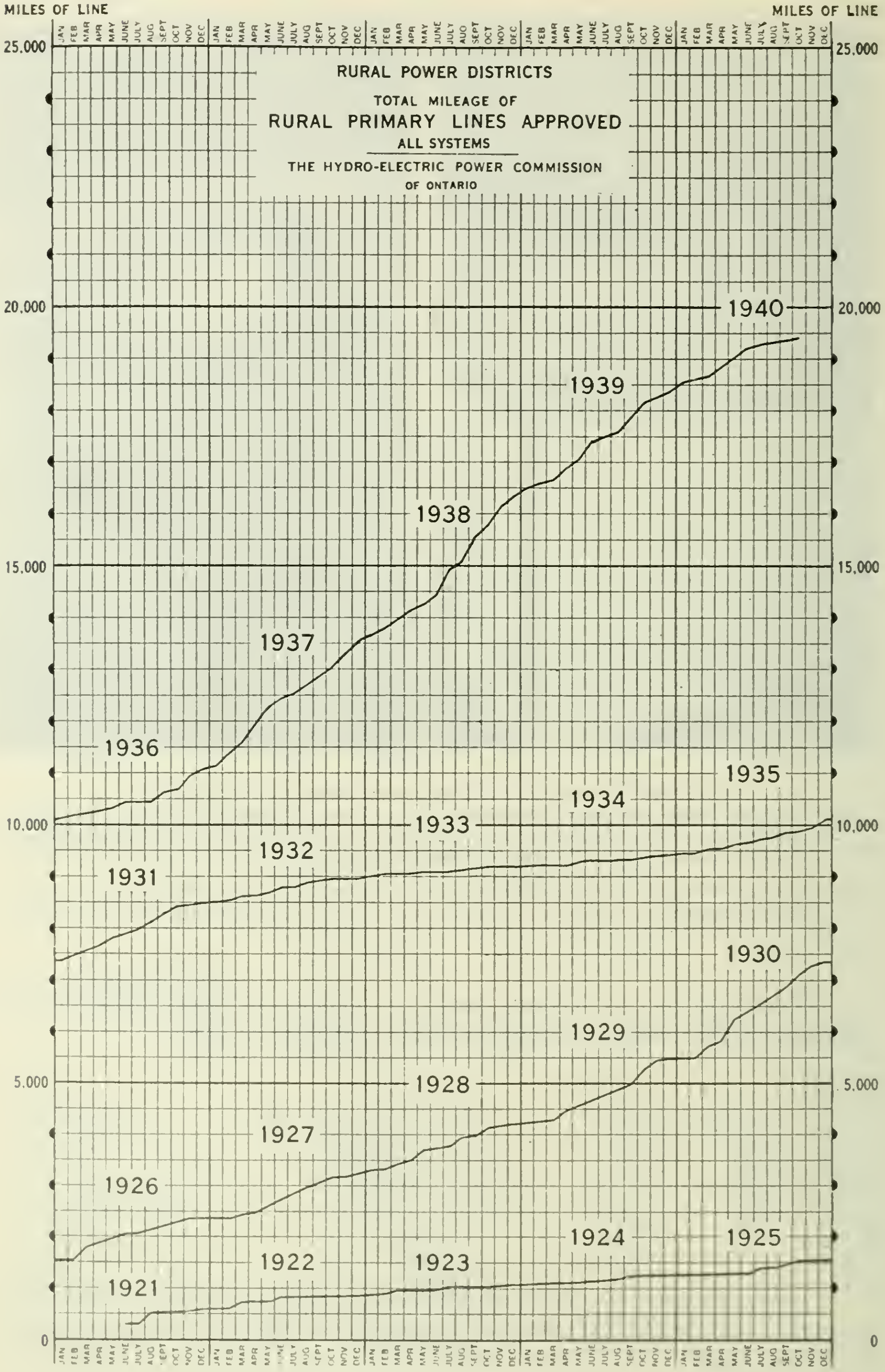
Left — Electric pasteurizer, capacity 35 gallons, in use by farmer retailing milk in a small community. By use of electrical pasteurization the requirements of the Provincial Department of Health can be complied with in a safe and economical manner.

Right—Refrigerator-type of surface cooler which cools the milk from approximately 140° to 50°F., following pasteurization. Shown here mounted in conjunction with bottle filler

Respecting the 1,772 loans made to October 31, 1940, the following table shows the number of loans made for each term of years:

One year term	46	Six year term	10
Two " "	147	Seven " "	79
Three " "	430	Eight " "	9
Four " "	88	Nine " "	0
Five " "	925	Ten " "	38

During the past five years no loans were made for periods longer than five years, and during the past year no loans were granted for periods longer than three years.



RURAL POWER DISTRICTS

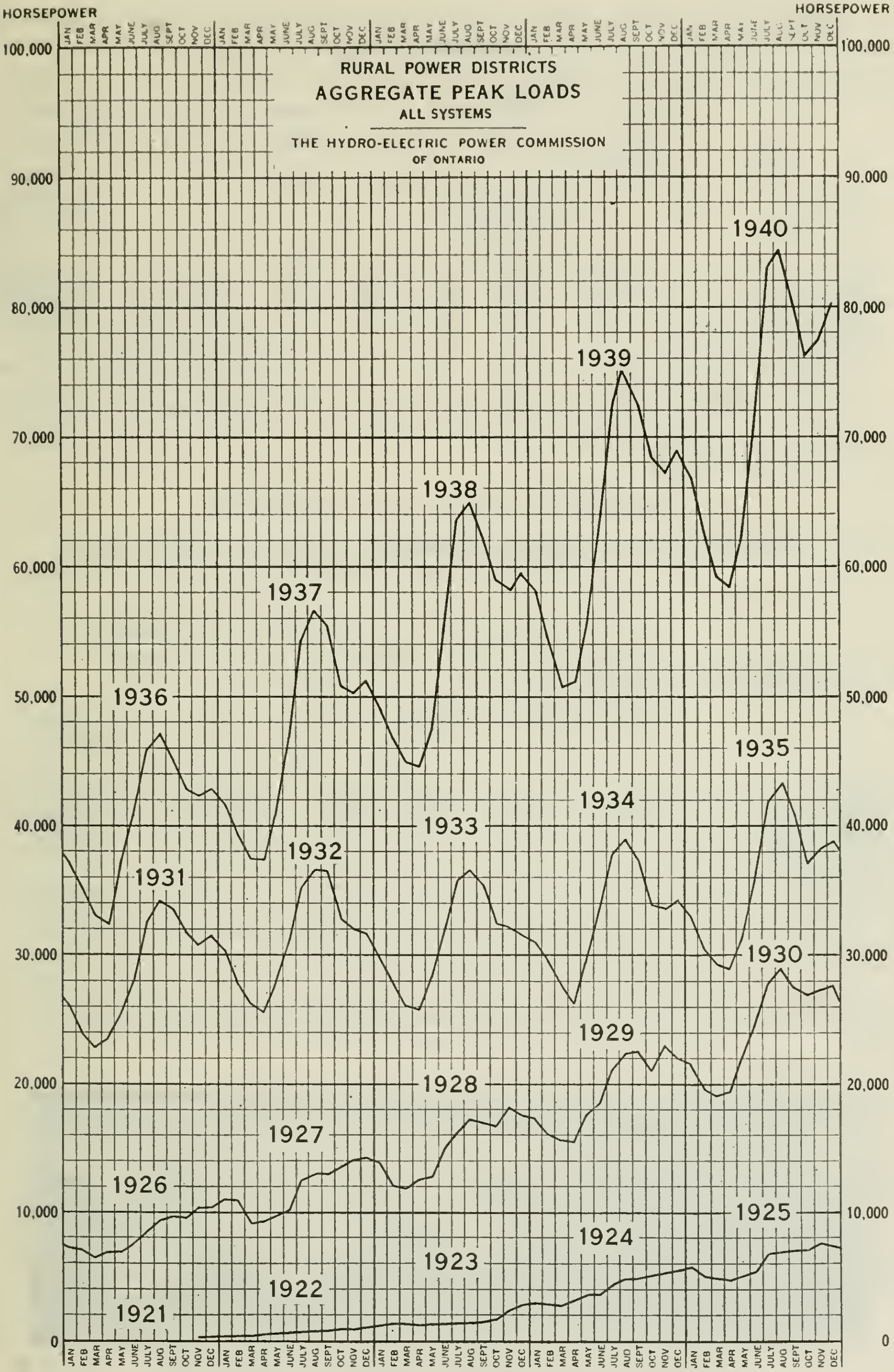
TOTAL MILEAGE OF

RURAL PRIMARY LINES APPROVED

ALL SYSTEMS

THE HYDRO-ELECTRIC POWER COMMISSION

OF ONTARIO


HORSEPOWER
HORSEPOWER
RURAL POWER DISTRICTS
AGGREGATE PEAK LOADS
ALL SYSTEMS
THE HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
JAN FEB MAR APR MAY JUNE JULY AUG SEPT OCT NOV DEC
1921
1922
1923
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940

RURAL LINE EXTENSIONS APPROVED BY THE COMMISSION DURING THE YEAR 1940

System	Miles of primary line	Net increase in number of consumers			Power supplied in October 1940	Capital approved for extensions	
		Hamlet	Farm, etc.	Total		Total	Provincial grant-in-aid
					h.p.	$ c.	$ c.
Niagara	534.17	1,626	3,354	4,980	53,683	1,576,704.00	788,352.00
Georgian Bay	318.11	914	978	1,892	7,137	706,710.00	340,958.00
Eastern Ontario	280.63	680	1,186	1,866	13,594	735,903.00	367,951.50
Thunder Bay	57.95	56	193	249	551	115,104.00	57,552.00
Northern Ontario Properties	148.72	525	353	878	1,140	349,903.00	174,951.50
Totals	1,339.58	3,801	6,064	9,865	76,105	3,481,324.00	1,729,765.00

SUMMARY OF RURAL LINE EXTENSIONS

As Approved by the Commission from June 1, 1921, to October 31, 1940
Constructed or Under Construction

System	Miles of primary line	Number of consumers			Capital approved for extensions	
		Hamlet	Farm etc.	Total	Total	Provincial grant-in-aid
					$ c.	$ c.
Niagara	11,487.43	31,717	44,663	76,380	27,240,476.89	13,596,958.44
Georgian Bay	2,933.83	9,711	7,604	17,315	6,287,143.95	3,059,455.49
Eastern Ontario	4,494.44	12,327	13,077	25,404	10,159,299.31	5,079,649.65
Thunder Bay	275.79	382	758	1,140	558,161.00	279,080.50
Northern Ontario Properties	300.59	2,175	608	2,783	761,208.00	380,604.00
Totals	*19,492.08	56,312	66,710	123,022	45,006,289.15	22,395,748.08

*This total includes 240.97 miles of primary line under construction on October 31, 1940, and service to 664 new consumers was not completed until after the end of the fiscal year.

MILK COOLER

HYDRO DISPLAY AT INTERNATIONAL PLOWING MATCH

CLASSIFICATION OF SERVICES FOR RURAL POWER DISTRICTS

When contracts between the consumer and the township have been executed, users of power in townships are supplied with electric service under general classes, according to the requirements and conditions of the individual consumer, as follows:

Class	Service	Class demand kilowatts	Phase	Volts	Fuse rating amperes (maximum)
1B	Hamlet Lighting	1.32	1	110	20
1C	" "	2	1	220-110	35
2A	House Lighting	1.32	1	110	20
2B	Small Farm Service	2	1	220-110	35
3	**Light Farm Service**	**3**	**1**	**220-110**	**35**
4	Medium Farm Service	5	1	220-110	50
5	" " "	5	3	220-110	35
6A	Heavy Farm Service	9	1	220-110	100
6B	" " "	9	1 and 3	220-110	60
7A	Special Farm Service	15	1	220-110	According to load
7B	" " "	15	1 and 3	220-110	According to load

Class 1: Hamlet Service—Includes service to customers (other than farm and power users in hamlets, where four or more consumers are served from one transformer. Service is given under two sub-classes as follows:

> **Class 1-B:** Service to residences or stores, including use of portable appliances, and permanently installed appliances not exceeding 1,320 watts.
>
> **Class 1-C:** Service to residences or stores with electric range or ordinary permanently installed appliances greater than 1,320 watts. Where a combination of residence and store can be supplied from one service, the combination is billed as a single Class 1-C consumer. Special or unusual loads will be treated specially.

Class 2-A: House Lighting—Includes service to all consumers other than farm and power users that cannot be grouped as in Class 1.

Class 2-B: Farm Service, Small—Includes service for lighting of farm buildings, power for miscellaneous small equipment and power for single-phase motors not exceeding 2 horsepower and electric range if motors and range are not used simultaneoulsy, on a farm of fifty acres or less.

Class 3: Farm Service, Light—Includes service for lighting of farm buildings, power for miscellaneous small equipment and power for single-phase motors not exceeding 3 horsepower and electric range if motors and range are not used simultaneously.

Class 4: Farm Service, Medium Single-Phase—Includes service for lighting of farm buildings power for miscellaneous small equipment, and power for single-phase motors up to 5-horsepower demand and electric range if motors and range are not used simultaneously.

Class 5: Farm Service, Medium 3-Phase—Includes service for lighting of farm buildings, power for miscellaneous small equipment and power for 3-phase motors up to 5-horsepower demand and electric range if motors and range are not used simultaneously.

Class 6: Farm Service, Heavy—Includes service for lighting of farm buildings, power for miscellaneous small equipment and power for motors up to 5-horsepower demand and an electric range, or 10-horsepower demand without an electric range. Single- or three-phase service will be given at the discretion of The Hydro-Electric Power Commission of Ontario.

Class 7: Farm Service, Special—Includes service for lighting of farm buildings, power for miscellaneous small equipment, power for 3-phase motors from 10- to 20-horsepower demand and electric range. Single- or three-phase service will be given at the discretion of The Hydro-Electric Power Commission of Ontario.

Note: Classes 2B to 7B are designed primarily to cover the service requirements of farmers. Consumers other than farmers who require a more comprehensive service with greater demand than is provided for in classes 1B, 1C and 2A may obtain this service upon payment of the specified service charge listed in the table of rates.

Note: Class 2B is the service usually supplied to farms of fifty acres or less and Class 3 is the service usually supplied to larger farms. More than 90 per cent of new contracts for farm service are in one or other of these classes.

RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1940

Rural power district	Property number	Miles of line	No. of consumers	Rural rates: Class 1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B	Gross consumption charges per kilowatt-hour: First energy rate	Second energy rate	Rate for all additional	Prompt payment discount on gross bill
Monthly consumption charged for at first energy rate: No. of kw-hrs. per month				30	30	30	30	**42**	70	70	126	126	210	210				
Monthly consumption charged for at second energy rate: No. of kw-hrs. where first energy rate is less than 3 cts.				120	270	120	270	**258**	430	430	774	774	1290	1290				
3 cts.				105	240	105	240	**228**	380	380	684	684	1140	1140				
3.1 to 4 cts.				75	180	75	180	**168**	280	280	504	504	840	840				
4.1 to 5 cts.				60	150	60	150	**138**	230	230	414	414	690	690				
more than 5 cts.				45	120	45	120	**108**	180	180	324	324	540	540				
Maximum gross monthly service charge to Summer cottages. Where the rates are below these standards, they are indicated in each instance by †.				$ c. 1.11	$ c. 1.56	$ c. 1.11	$ c. 1.56	$ c. **1.56**	$ c. 1.56	$ c. 2.50	$ c. 2.78	$ c. 2.78	$ c. 3.33	$ c. 3.33				
Gross monthly service charge to regular consumers																		
NIAGARA SYSTEM																		
				$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	cents	cents	cents	%
Acton	N5 D1	15.60	51	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Ailsa Craig	N4 D7	70.31	197	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Alvinston	N18 D9	56.10	137	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Amherstburg	N15 D3	103.90	921	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	3.5	2	0.75	10
Aylmer	N11 D2	279.31	1,651	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	4.5	2	0.75	10
Ayr	N12 D4	41.35	149	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Baden	N7 D1	145.88	726	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10
Beamsville	N44 D3	255.06	2,088	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10
Belle River	N15 D2	64.78	615	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Blenheim	N14 D3	101.67	621	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Bond Lake	N3 D3	216.85	2,302	1.10	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10
				†1.10	1.56	1.11	1.56	**1.56**	1.56	2.50	2.78	2.78	3.33	3.33				
Bothwell	N14 D10	133.98	433	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Brampton	N13 D2	91.15	335	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Brant	N12 D1	202.79	1,150	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10
Brigden	N18 D8	98.14	317	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Burford	N12 D2	106.55	523	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	4.5	2	0.75	10
Caledonia	N2 D5	202.03	1,128	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Chatham	N14 D1	234.07	1,471	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	3.5	2	0.75	10
Chippawa	N1 D7	40.41	284	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	3.5	2	0.75	10
Clinton	N8 D11	112.69	611	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10

†Summer cottage rates.

RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1940—Continued

Rural power district	Rural rates																		
	Class..........			1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B	Gross consumption charges			Prompt payment discount
	Property number	Miles of line	No. of consumers	Gross monthly service charge to regular consumers											First energy rate‡	Second energy rate‡	Rate for all additional	
	NIAGARA SYSTEM—Continued																	
				$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	cents	cents	cents	%
Delaware	N4 D3	203.15	990	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Dorchester	N4 D1	151.45	847	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Dresden	N14 D12	110.34	377	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Drumbo	N12 D5	101.85	489	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Dundas	N2 D1	172.84	1,177	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	3	1.25	0.75	10
Dunnville	N1 D9	95.70	526	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Dutton	N11 D3	111.03	372	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Elmira	N7 D3	42.80	161	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Elora	N5 D4	106.12	454	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Essex	N15 D7	165.54	867	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	4.5	2	0.75	10
Exeter	N4 D6	146.99	1,065	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Forest	N18 D6	133.36	570	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Galt	N6 D2	53.99	511	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10
Georgetown	N5 D2	96.08	424	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Goderich	N8 D2	78.42	313	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Grantham	N44 D1	66.80	1,013	1.00	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10
				†1.00	1.50	1.11	1.56	**1.56**	1.56	2.50	2.78	2.78	3.33	3.33				
Guelph	N5 D3	166.29	929	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10
Haldimand	N2 D8	219.71	993	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	4.5	2	0.75	10
Harriston	N8 D5	34.49	95	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Harrow	N15 D4	84.14	921	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	4.5	2	0.75	10
Ingersoll	N10 D3	238.14	908	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	5.5	2	0.75	10
Jordan	N44 D2	49.87	493	1.06	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10
				†1.06	1.56	1.11	1.56	**1.56**	1.56	2.50	2.78	2.78	3.33	3.33				
Keswick	N3 D5	83.11	1,492	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Kingsville	N15 D5	189.98	2,140	1.00	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	3	2	0.75	10
				†1.00	1.56	1.11	1.56	**1.56**	1.56	2.50	2.78	2.78	3.33	3.33				
Listowel	N8 D8	120.13	525	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10

†Summer cottage rates. ‡See heading to first page of table.

RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1940—Continued

Rural power district	Rural rates Class. Property number	Miles of line	No. of consumers	1B	1C	2A	2B	**3***	4	5	6A	6B	7A	7B	Gross consumption charges First energy rate‡	Second energy rate‡	Rate for all additional	Prompt payment discount
				Gross monthly service charge to regular consumers														
NIAGARA SYSTEM—Continued																		
				$ c.	$ c.	$ c.	$ c.	**$ c.**	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	cents	cents	cents	%
London	N4 D2	242.29	3,032	0.90	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10
				†0.90	1.56	1.11	1.56	**1.56**	1.56	2.50	2.78	2.78	3.33	3.33				
Lucan	N4 D5	95.51	306	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Lynden	N2 D2	87.57	404	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Markham	N3 D1	176.50	1,534	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Merlin	N14 D15	139.92	579	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Milton	N13 D3	107.42	535	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Milverton	N8 D9	77.54	307	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Mitchell	N8 D7	123.27	562	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	4.5	2	0.75	10
Newmarket	N3 D4	105.62	666	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Niagara	N1 D1	66.23	508	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10
Norwich	N10 D1	167.97	865	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	3.5	2	0.75	10
Oil Springs	N18 D3	85.86	293	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Palmerston	N8 D6	82.87	262	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Petrolia	N18 D5	52.80	202	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Preston	N6 D1	191.49	1,586	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	3	1.25	0.75	10
Ridgetown	N14 D2	134.65	926	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
St. Jacobs	N7 D2	103.00	541	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10
St. Marys	N9 D1	209.18	821	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
St. Thomas	N11 D1	237.46	1,659	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10
Saltfleet	N17 D1	105.46	2,311	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10
Sandwich	N15 D1	156.66	2,913	1.00	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	3.5	1.5	0.75	10
				†1.00	1.56	1.11	1.56	**1.56**	1.56	2.50	2.78	2.78	3.33	3.33				
Sarnia	N18 D4	121.16	1,912	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	3.5	2	0.75	10
Scarboro	N3 D2	113.82	1,486	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Seaforth	N8 D10	34.42	194	1.10	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
				†1.10	1.56	1.11	1.56	**1.56**	1.56	2.50	2.78	2.78	3.33	3.33				
Simcoe	N12 D6	144.32	935	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10

†Summer cottage rates. ‡See heading to first page of table.

RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1940—Continued

Rural power district	Property number	Miles of line	No. of consumers	1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B	Gross consumption charges: First energy rate‡	Gross consumption charges: Second energy rate‡	Gross consumption charges: Rate for all additional	Prompt payment discount
NIAGARA SYSTEM—Continued																		
				$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	cents	cents	cents	%
Stamford	N44 D4	11.59	300	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10
Stratford	N8 D4	59.29	318	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	3.5	2	0.75	10
Strathroy	N4 D4	166.00	544	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Streetsville	N13 D1	134.47	727	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	3.5	2	0.75	10
Tavistock	N8 D1	141.24	562	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Thamesville	N14 D11	121.14	509	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Tilbury	N14 D14	147.13	664	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Tillsonburg	N10 D4	200.88	1,206	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	3.5	2	0.75	10
Wallaceburg	N14 D13	196.17	1,106	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Walsingham	N12 D7	306.97	1,718	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Walton	N8 D3	105.13	488	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Waterdown	N2 D3	94.05	1,228	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	2.5	1	0.75	10
Waterford	N12 D3	145.84	689	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Watford	N18 D7	75.36	250	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Welland	N1 D5	351.16	3,771	1.00	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10
				†1.00	1.56	1.11	1.56	**1.56**	1.56	2.50	2.78	2.78	3.33	3.33				
Woodbridge	N16 D1	287.33	1,587	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	3	2	0.75	10
Woodstock	N10 D2	185.75	1,002	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	3	2	0.75	10
Total, Niagara system		11,487.43	76,380															

*See footnote on page 51. †Summer cottage rates. ‡See heading to first page of table.

RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1940—Continued

Rural power district	Rural rates																		
	Class				1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B	Gross consumption charges			Prompt payment discount
	Property number		Miles of line	No. of consumers	Gross monthly service charge to regular consumers											First energy rate‡	Second energy rate‡	Rate for all additional	
GEORGIAN BAY SYSTEM																			
					$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	cents	cents	cents	%
Alliston	GS32	D1	69.99	328	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Arthur	GE13	D2	44.96	107	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Bala	GB13	D1	102.89	630	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Barrie	GS4	D1	106.03	895	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Baysville	GM10	D1	75.04	402	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Beaumaris	GM7	D1	81.48	597	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Beaverton	GW2	D1	60.59	575	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Beeton	GS33	D1	1.80	5	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Bradford	GS37	D1	61.25	230	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Bruce	GE19	D1	214.37	876	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Buckskin	GS24	D1	6.00	42	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Cannington	GW3	D1	36.44	153	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Chatsworth	GE3	D1	12.20	63	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Cookstown	GS35	D1	4.83	9	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Creemore	G17	D2	124.89	436	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Dundalk	GE5	D1	37.21	111	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Elmvale	GS7	D1	65.44	302	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5.5	2	0.75	10
Flesherton	GE1	D1	40.41	174	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Gravenhurst	G34	D1	17.62	95	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Hawkestone	GS9	D1	88.18	494	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10
Holstein	GE7	D1	15.10	50	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Huntsville	GM2	D1	127.02	641	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Innisfil	GS31	D1	48.60	1,181	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Kirkfield	GW6	D1	43.60	174	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Lucknow	GE24	D1	9.01	57	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10

‡See heading to first page of table.

RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1940—Continued

Rural power district	Property number	Class	Miles of line	No. of consumers	1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B	Gross consumption charges: First energy rate‡	Gross consumption charges: Second energy rate‡	Gross consumption charges: Rate for all additional	Prompt payment discount
					Gross monthly service charge to regular consumers														
GEORGIAN BAY SYSTEM—Continued																			
					$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	cents	cents	cents	%
Mariposa	GW9	D1	75.94	450	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Markdale	GE1	D2	29.65	131	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Meaford	G14	D1	70.93	366	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Medonte	GS18	D1	84.20	410	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Midland	GS1	D1	101.34	862	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Mount Forest	GE9	D1	28.87	67	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Neustadt	GE8	D1	32.46	189	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Nottawasaga	GS5	D1	22.50	160	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Orangeville	GE12	D1	132.77	419	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Owen Sound	GE2	D1	45.73	253	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Port Perry	GW12	D1	67.37	585	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Ripley	GE24	D2	99.10	343	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Sauble	GE46	D1	133.00	615	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Shelburne	GE10	D1	49.98	150	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
South Falls	GM1	D1	15.95	55	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Sparrow Lake	GW1	D1	74.26	670	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Tara	GE15	D1	72.16	300	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Thornton	GS36	D1	17.80	60	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Tottenham	GS34	D1	28.27	67	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Utterson	GM8	D1	63.77	351	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Uxbridge	GW11	D1	77.51	314	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Wasaga Beach	G17	D1	28.19	1,373	†1.00	1.75	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.5	1.5	....	10
Wroxeter	GE22	D1	87.13	498	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10

Total, Georgian Bay system..2,933.83 17,315 *See footnote on page 51. †These rates apply to regular consumers and summer cottages.
‡See heading to first page of table.

RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1940—Continued

Rural power district	Property number	Class	Miles of line	No. of consumers	1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B	Gross consumption charges: First energy rate‡	Gross consumption charges: Second energy rate‡	Gross consumption charges: Rate for all additional	Prompt payment discount
					Gross monthly service charge to regular consumers														
EASTERN ONTARIO SYSTEM																			
					$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	cents	cents	cents	%
Alexandria	QL15	D1	74.68	314	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Arnprior	QM10	D1	70.00	612	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Belleville	QC38	D1	157.10	1,102	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	3.5	1.5	0.75	10
Bowmanville	QC23	D1	73.38	344	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Brighton	QC6	D1	16.99	90	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Brockville	QL3	D1	182.39	1,243	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Calabogie	QM13	D1	3.90	71	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Campbellford	QC11	D1	49.03	175	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Carleton Place	QH5	D1	49.86	170	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Chesterville	QL5	D1	172.27	885	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Cobourg	QC13	D1	207.31	992	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Colborne	QC7	D1	92.97	462	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Cornwall	QL1	D1	46.31	121	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Fenelon Falls	QC30	D1	136.48	913	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Iroquois	QL9	D1	128.31	620	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Kemptville	QH9	D1	8.76	78	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Kingston	QC44	D1	312.50	1,790	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Lakefield	QC18	D1	109.73	477	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Madoc	QC33	D1	59.63	190	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Marmora	QC47	D1	4.28	41	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Martintown	QL13	D1	76.31	379	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Maxville	QL14	D2	228.53	1,134	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Millbrook	QC25	D1	52.02	236	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Minden	G37	D1	80.05	430	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Napanee	QC43	D1	288.41	1,277	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10

‡See heading to first page of table.

RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1940—Continued

Rural power district	Rural rates																	
	Class............				1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B	Gross consumption charges			Prompt payment discount
	Property number		Miles of line	No. of consumers	Gross monthly service charge to regular consumers											First energy rate‡	Second energy rate‡	Rate for all additional	
EASTERN ONTARIO SYSTEM—Continued																			
					$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	cents	cents	cents	%
Nepean	QT1	D1	276.72	1,773	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10
Newcastle	QC22	D1	59.30	242	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Norwood	QC31	D1	52.07	258	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Omemee	QC26	D1	32.51	87	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Oshawa	QC24	D1	221.01	2,431	1.00	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	3	1.75	0.75	10
					†1.00	1.56	1.11	1.56	**1.56**	1.56	2.50	2.77	2.78	3.33	3.33				
Pembroke	QM30	D1	22.06	88	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Perth	QH2	D1	96.37	422	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Peterboro	QC20	D1	134.59	1,615	0.63	1.11	0.79	1.11	**1.11**	1.56	2.01	2.57	2.78	3.33	3.33	4	2	0 75	10
					†0.63	1.16	0.79	1.21	**1.56**	1.56	2.01	2.57	2.78	3.33	3.33				
Prescott	QL2	D1	77.91	387	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Renfrew	QM16	D1	58.88	354	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Smiths Falls	QH3	D1	117.15	742	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Stirling	QC35	D1	86.17	285	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Sulphide	QC34	D1	98.59	369	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Trenton	QC3	D1	104.58	537	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Warkworth	QC49	D1	21.06	77	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Wellington	QC45	D1	279.19	1,312	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Williamsburg	QL7	D1	57.08	279	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10

Total, Eastern Ontario system 4,494.44 25,404. *See footnote on page 51. †Summer cottage rates. ‡See heading on first page of table.

RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1940—Concluded

Rural power district	Rural rates																		
	Class............				1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B	Gross consumption charges			Prompt payment discount
	Property number		Miles of line	No. of consumers	Gross monthly service charge to regular consumers											First energy rate‡	Second energy rate‡	Rate for all additional	
THUNDER BAY SYSTEM																			
					$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	cents	cents	cents	%
Nipigon	P6	D1	5.60	14	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Thunder Bay	P10	D1	270.19	1,126	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Total, Thunder Bay system			275.79	1,140															
NORTHERN ONTARIO PROPERTIES																			
Connaught	XA22	D1	41.50	144	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Crystal Falls	XS7	D1	....	......	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Kapuskasing	XA14	D1	....	......	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Manitoulin	XM1	D1	141.55	637	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
North Bay	XZ4	D1	31.80	681	0.87	1.11	1.01	1.11	**1.11**	1.56	2.17	2.68	2.78	3.33	3.33	6	2	0.75	10
					†0.87	1.38	1.01	1.38	**1.44**	1.56	2.17	2.68	2.78	3.33	3.33				
Powassan	XZ8	D1	54.29	183	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Rainy River	XR1	D1	....	......	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Sudbury	XS5	D1	25.85	1,119	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	5.5	2	0.75	10
Teck	XA16	D1	5.60	19	1.11	1.11	1.11	1.11	**1.11**	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Total, Northern Ontario Properties			300.59	2,783															

¶**Total, all systems: Miles of line, 19,492.08. Number of consumers, 123,022.** ¶This total includes 240.97 miles of primary line under construction on October 31, 1940, and service to 664 new consumers was not completed until the end of the fiscal year.

*See footnote on page 51. †Summer cottage rates. ‡See heading to first page of table.

SECTION IV

SALES PROMOTION

IN last year's report an outline was given of the changing circumstances connected with the Commission's growth and available power supplies which recently made it profitable to establish a Sales Promotion department.

Before the first year's work of the newly-formed department was completed the war had begun to change the situation again and sales promotion activities were necessarily modified to meet the new conditions.

Ontario's position as the chief industrial province of the Dominion gave added importance to the industrial and lighting services of the Commission in connection with war activities and stress was laid on assisting industry to use electrical energy in the most efficient manner and to use more of it wherever such use would contribute to greater production or better products.

This advisory service was welcomed by the municipal utilities and by industrial consumers and has assisted them to make advantageous changes in equipment or methods.

In the rural power districts effort was made to foster those uses of electricity on the farm and in rural industries that would release man-power and enable the farmer to produce greater volume at lower cost.

Industrial Work

Co-operating with the municipal Hydro utilities a total of 869 calls were made on 377 industrial plants. On the initial calls the service offered by the Commission was explained; on subsequent calls detailed attention was given to plant operations which usually resulted in suggestions for improvements to operating conditions or practice. In some plants complete surveys were made and recommendations submitted. Where the suggestions in these reports were adopted gains up to 30 per cent of efficiency in motor loading and up to 10 per cent in plant power factor were frequently made.

New tools and processes have been introduced and tried out in industrial establishments. An interesting example is the use of infra-red lamps for drying and baking processes. With the co-operation of the Commission's laboratories testing equipment has been provided and Hydro consumers may now, at a reasonable cost, have their processes analysed to determine whether the use of these new developments would be profitable.

Domestic and Rural Activities

Co-operation with municipal Hydro utilities has been given to encourage further domestic use. Hydro Homemaker Forums were conducted in 48 municipalities, with a total of 102 sessions. The gross attendance at these schools was 39,400, or an average of 387 per school.

In the rural areas, the Hydro Display Coach was shown in 31 rural centres to a total of 12,200 consumers, and prospective users. This travelling display was also used to advantage at 15 Fall Fairs before an estimated total audience of 20,000 people.

Lighting

A substantial increase in lighting advice service was recorded. The most insistent demands for this service came from industries being adapted to war work and from schools.

The necessity for good lighting for efficient war material production is well recognized. Many problems in industrial lighting were solved during the year; most of them on an emergency basis requiring fast service. A total of 65 industrial establishments for war supplies were given lighting surveys followed by recommendations for improved lighting equipment.

Improvements in lighting and wiring followed reports on 268 schools, most of which adopted the suggestions made. The interest of rural school boards has been exceptional, and has resulted in the installation of adequate lighting in a large number of country schools.

During the year, the Lighting section issued 833 reports, with a recommended increase in lighting load of 5,905 kilowatts.

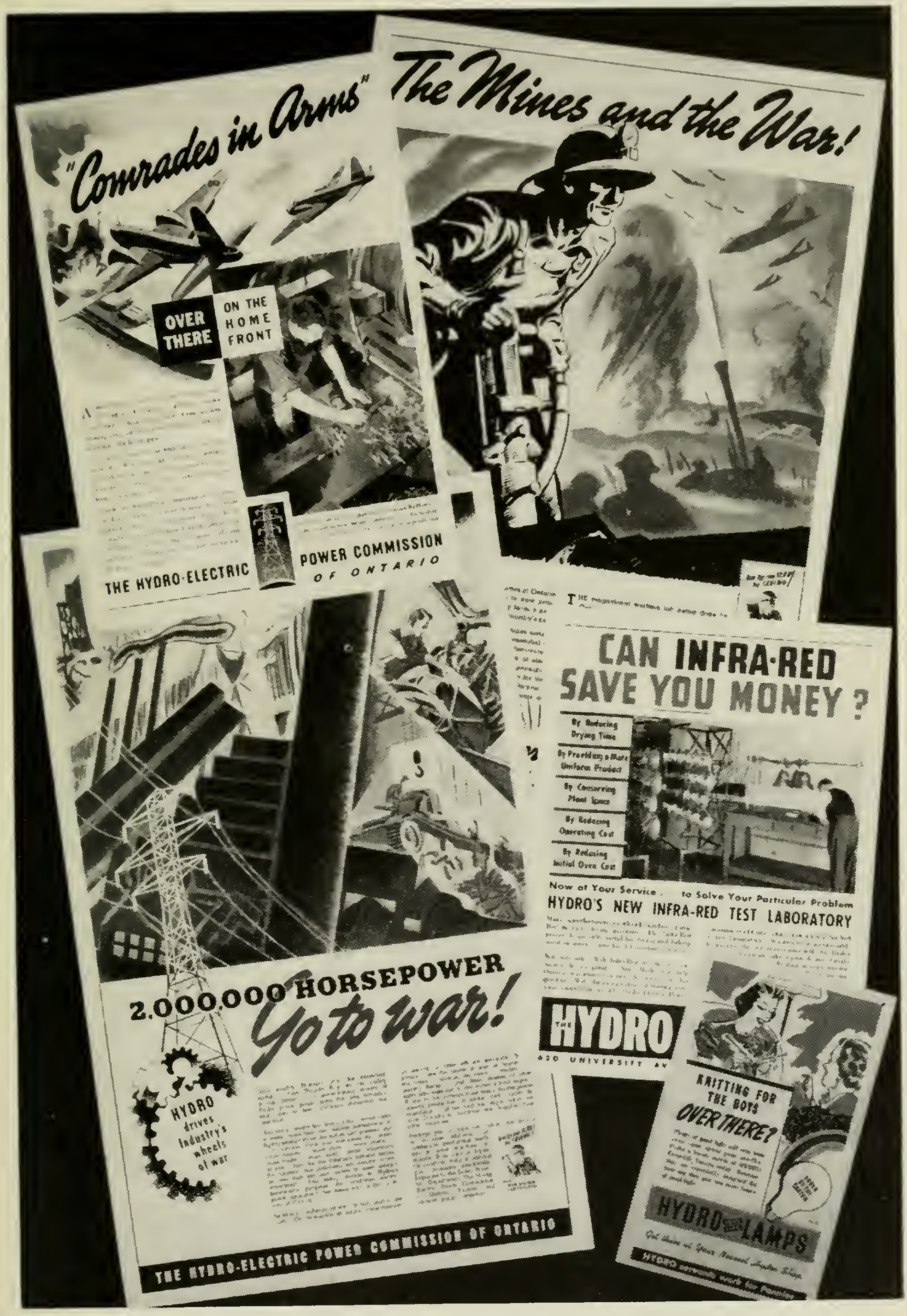
Advertising

The Commission's advertising programme, following that established in the previous year, was divided into four different classifications: institutional, domestic, rural and industrial.

A type of institutional advertising copy was inaugurated dealing with the work of Hydro and electric power supply in aid of the war effort, and emphasizing its vital and important position. In the industrial advertising field, stress was laid on new applications of electricity, and on the value of adequate lighting to munition industries.

The media selected for this advertising campaign were such as to ensure maximum coverage at lowest cost. An analysis of circulation of the various publications used assures that the advertisements reached nearly every home, farm, and industry in the Province.

A number of bulletins and pamphlets were prepared and issued, dealing with domestic and rural applications. These were advantageously used by municipal Hydro utilities to develop increased uses of energy in these markets.


"Comrades in Arms"
OVER THERE
ON THE HOME FRONT
THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
The Mines and the War!
CAN INFRA-RED SAVE YOU MONEY ?
By Reducing Drying Time
By Providing a More Uniform Product
By Conserving Plant Space
By Reducing Operating Cost
By Reducing Initial Oven Cost
Now at Your Service . . to Solve Your Particular Problem
HYDRO'S NEW INFRA-RED TEST LABORATORY
THE HYDRO
620 UNIVERSITY AV
2,000,000 HORSEPOWER
Go to war!
HYDRO drives Industry's wheels of war
THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
KNITTING FOR THE BOYS
OVER THERE?
HYDRO LAMPS
Get them at Your Nearest Hydro Shop

Representative group of advertisements used in sales promotion work during 1940

Sales of Lamps and Equipment

The sale of electrical supplies and equipment including water heater material, to Hydro municipal systems has amounted during the year, to a total of $414,676, an increase of $180,900 over the previous year. The distribution of Hydro lamps to Hydro systems was well maintained, and the total sales during the year show a substantial increase.

General Comments

Since the work of the Sales Promotion department has been so largely concentrated on assisting war services, it is difficult to enumerate the load increases attributable directly to sales promotion activities. However, it can confidently be stated that an increase in energy supply of 25,000,000 kilowatt-hours resulted, providing a continuing annual increase in revenue of approximately $375,000 to the municipal systems.

During the coming year, the war service work will be continued and augmented.

SECTION V

HYDRAULIC ENGINEERING AND CONSTRUCTION

DURING 1940 the situation respecting power supplies to meet growing Hydro loads made it necessary to do preliminary work on certain new developments and to investigate other power sources. At the Ear Falls development in the Patricia-St. Joseph district of northern Ontario, No. 3 unit was completed. In July, work commenced on the construction of the Big Eddy development on the Musquash river to serve the Georgian Bay system, and in September the Barrett Chute development on the Madawaska river to serve the Eastern Ontario system was started.

NIAGARA SYSTEM

Hydraulic engineering investigations and studies in connection with potential sources of additional power for the Niagara system were chiefly concerned with two matters—the proposed peak load plant at DeCew Falls and the diversion of northern waters to the Great Lakes.

DeCew Falls Peak Load Plant

The existing DeCew Falls plant, which supplies power to the Dominion Power and Transmission division of the Niagara system, has a capacity of about 50,000 horsepower, generation being at a frequency of 66-2/3 cycles. The plant supplies power to a number of municipalities in the Niagara peninsula, and is necessarily separate from the 25-cycle supply also given in that district. The D. P. and T. division is connected with the 25-cycle system by a frequency-changer set at Niagara Falls, through which a peak supply of about 10,000 horsepower may be introduced into the division to supplement the output of the DeCew Falls plant.

During recent years, many municipalities and customers formerly supplied at a frequency of 66-2/3 cycles have been transferred to the 25-cycle system, but the natural load growth of the remaining customers in the D. P. and T. division has been approximately equal to the reduction effected by these transfers. It is necessary, therefore, to maintain the present plant in operation while the proposed new plant is being built.

The DeCew Falls plant receives its water supply from lake Erie through the Welland ship canal, and has large storage basins to enable the uniform supply from the canal to be used at a varying rate suited to the fluctuating daily load demands in the division. Prospective increases in the peak-load demands on the 25-cycle system and the probability that additional supplies of water would be made available for generation of power in the locality have prompted a series of investigations of the manner in which an extension or reconstruction of this plant might be used effectively in the 25-cycle system. The problem is complicated considerably by the high state of development of the terrain through which structures and channels for the conveyance of water must be built, and also by the necessity of maintaining the present plant in service for some time.

The investigations indicate that it may be possible ultimately to build a plant here having a peak capacity of 200,000 horsepower in four 25-cycle units of 50,000 horsepower each, involving the discontinuance of 66-2/3-cycle generation in the final stage. It is probable that the capacity of storage basins will be increased somewhat and that, for the complete development, extensive works will be required in Twelve Mile creek and in the old Welland canal from St. Catharines downstream, through which the water discharged from the plant must flow to reach lake Ontario.

At the Queenston plant a programme of work on the cliff to provide effective protection to the plant has been instituted. Cyclopean rip-rap was placed to protect the bank of the Niagara river along the power-house railway, some distance downstream from the power house.

Long Lake and Ogoki Diversions

The Long Lake diversion project was used in 1940 for the transportation of pulpwood from the Kenogami watershed to lake Superior. Following the understanding reached with the United States respecting the use of waters to be diverted into the Great Lakes by Canada, the diversion of the flow of a part of the Kenogami river to the Great Lakes system, via Long lake, was brought into operation. Careful consideration has been given to the procedure to be used for accurately measuring the amount of water diverted.

Surveys, investigation of foundation conditions and office studies were continued in connection with the Ogoki diversion project, and preliminary designs have proceeded to the extent necessary to permit commencement of construction of the works required for the project.

GEORGIAN BAY SYSTEM

The load demands of this system have continued to grow rapidly and, in spite of the installation last year of a second frequency-changer set at Hanover, having a capacity of 7,250 kilowatts, it became necessary to commence construction of a second plant on the Musquash river. Between lake Muskoka and Georgian bay there are on the Musquash river five possible power concentrations. One at Bala is partially developed at present, a second at Ragged Rapids was completed during 1938, and construction has commenced at the third at Big Eddy, about four miles below Ragged Rapids.

DECEW FALLS DEVELOPMENT

Valley of Twelve Mile Creek, the tailrace channel of the development; showing St. Catharines beyond Glen Ridge bridge

BIG EDDY DEVELOPMENT — MUSQUASH RIVER

Power-house excavation at Big Eddy pool—December 3, 1940

Big Eddy Development

The Big Eddy plant will operate under a head of about 36 feet,—the headwater approximating the tailwater level at Ragged Rapids—and will contain two generating units, the turbines being of the propeller type with a rated capacity of 4,950 horsepower each. Work commenced in July 1940, the first item of construction being a roadway, about four miles long, from the Ragged Rapids development to the area close to the new power-house site. By the end of the fiscal year, temporary camps had been constructed at Big Eddy, and earth and rock excavation for the canal and for the power house had commenced.

Certain studies were made concerning possible future developments at other sites on the South Muskoka and Musquash rivers.

EASTERN ONTARIO SYSTEM

Barrett Chute Development

Major activities in the Eastern Ontario system were in connection with the development commenced at Barrett Chute on the Madawaska river. Barrett Chute is one of seven new developments projected on this river, and is situated immediately above Calabogie lake about 31 miles from Arnprior. The development will concentrate at this point a total fall of 154 feet occurring under natural conditions in some five miles of the river, and will comprise a concrete dam across the river channel above High falls and a power canal, 38 feet wide and 2,000 feet long, extending from the pool above the dam to headworks some 600 feet from the shore of Calabogie lake. From the headworks, two steel penstocks, 14 feet in diameter and 550 feet in length will extend to two units in the power house, each having a rated turbine capacity of 28,000 horsepower, giving a plant rating of 54,000 electrical horsepower. The turbines will have single, vertical, Francis type runners in steel-plate casings, and discharge through elbow-draft tubes. They will run at 164 r.p.m. and generate their rated output under a head of 150 feet.

At the same time as the development is under construction, storage facilities on the river will be increased by building a concrete and earth fill dam at Bell rapids to raise the level of Bark lake some 25 feet and to provide storage capacity therein for 215,000 acre-feet, which may later be increased to 270,000 acre-feet by raising the lake an additional five feet.

Before a decision was made as to the appropriate capacity for the Barrett Chute plant and the required increase in storage facilities, a thorough study was made of the relation of the Madawaska sites to the rest of the Eastern Ontario system and, in fact, their place in the power supply for the whole of southern Ontario. These investigations indicated that it was feasible and desirable to provide for capacities at the various sites on the river considerably greater than those which would be warranted if they were isolated from other power sources.

BARRETT CHUTE DEVELOPMENT — MADAWASKA RIVER
The chute on the Madawaska River from which the development derives its name

BARRETT CHUTE DEVELOPMENT — MADAWASKA RIVER
Canal excavation, near canal intake — December 14, 1940

The Eastern Ontario system which operates at 60 cycles receives its power supply, in part, from hydro-electric developments on the Trent, Mississippi, Madawaska and other rivers; in part, from Quebec power sources by purchase; and, in part, also from the 25-cycle Niagara system through the Chats Falls frequency-changer. Investigations indicated that it would be advantageous to conserve the water stored in the Madawaska storage basins through certain of the spring, summer and early fall months by transferring through the frequency-changer at Chats Falls a larger amount of power than has been customary in the past, in those months when surplus capacity exists in the Niagara system.

As an isolated plant, the Barrett Chute development would probably be capable, with suitable storage facilities, of carrying a load of 36,000 horsepower. Because of the variation in load demands throughout the year and the arrangements for transfer of power from one system to another, it was determined that the optimum capacity for the site was about 54,000 horsepower. The economic capacity of other sites on the river is similarly increased over that anticipated some years ago, when the river was studied separately. Upon the complete development of the river, an additional supply of approximately 150,000 horsepower will be obtained from six sites at present undeveloped. Additional storage of some 200,000 acre-feet will also ultimately be constructed.

Construction commenced on the Barrett Chute development in September 1940, the first work being the betterment of an existing road and the building of approximately three miles of new road between Calabogie and the power site. By the end of the calendar year the road to the site was completed, temporary camps were being erected, and earth excavation had commenced. At the same time, some of the preliminary work had begun on the improvement of the road from Barry bay to the Bark lake dam.

Preliminary studies were made in connection with other power sites on the Trent and Mississippi rivers.

THUNDER BAY SYSTEM

In the Thunder Bay system work was confined to field investigations of the flow of the Nipigon river; estimates and studies of additional installations at Cameron Falls and Alexander plants; a new development at Pine Portage and other sites, and the relation of the proposed Ogoki diversion to these sites.

NORTHERN ONTARIO PROPERTIES

Sudbury and Nipissing Districts

Field investigations were made of the flow in the Sturgeon and Wanapitei rivers, with a view to improving the efficiency of the use of water at the Crystal Falls plant on the former, and at the Coniston, Stinson and McVittie plants on the latter. In the case of the Wanapitei river plants, the investigations had also in mind the possible increase in capacity of the plants by reconstruction of certain units and installation of additional units.

BARRETT CHUTE DEVELOPMENT — MADAWASKA RIVER

Power-house site in foreground, on shore of Calabogie Lake

UNDEVELOPED POWER SITE ON FRENCH RIVER

Looking downstream past middle pool, to lower obstruction at power-house site

Abitibi District

Surveys in considerable detail were made for a power site at Five Mile rapids on the French river. At this site a head of about forty feet may be developed, the forebay at the proposed development being slightly below the level of lake Nipissing. The survey included the taking of topography along the intricate courses of the river from the power site to lake Nipissing and, in greater detail, at power-house and dam sites. Continuous records of water levels were obtained at certain key points for the determination of hydraulic gradients and flow distribution in the various channels.

The French river site has certain advantages if used in connection with the 25-cycle Abitibi district, as it will be possible to draw on the water stored in lake Nipissing, through those months when the water supply in the Abitibi river is deficient. Used thus, as an integral part of the Abitibi district, the site may be developed for possibly 25,000 horsepower. Its capacity, if used independently or as a part of the 60-cycle Sudbury district, would be very much less than this.

Surveys and studies continued in connection with power sites on the Mississagi river.

Patricia-St. Joseph District

At the end of 1939, the third unit in the Ear Falls plant was approaching completion; it was brought into service in January 1940. The new unit consists of a vertical turbine, rated at 7,500 horsepower at 36 feet of head, with automatically adjustable blade runner of the Kaplan type, directly connected to a 6,000-kv-a. generator. The Ear Falls plant, which is described in some detail in the last Annual Report, now has an installed capacity of 17,500 horsepower.

Preliminary investigations were also made in connection with the Manitou Falls power site some fifteen miles downstream from Ear Falls plant, and on possible channel improvements at Manitou chutes lying between the two power sites.

HYDRAULIC INVESTIGATIONS

The growth in the number of water power developments owned and operated by the Commission; the more complete utilization of the individual sites; the development of additional storage and particularly the interconnection of developments on different watersheds have made the collection and analysis of hydrometric data of much greater importance and value. Systematic collection and study of data relating to the flow of streams, the topography, forest cover and storage possibilities of their watersheds and detailed information respecting lakes and power sites, is essential to the efficient operation of existing power plants and the most economical design of future developments. To be of maximum value these data must extend continuously over many years. Their lack is a serious handicap. The Commission has given increasing attention to this matter during recent years as a routine administrative feature of its Hydraulic Engineering department.

SECTION VI

ELECTRICAL ENGINEERING AND CONSTRUCTION

CONSTRUCTION work proceeded on an extensive scale in the co-operative systems during 1940 and was also active in the Northern Ontario Properties. The rapid growth in industrial load originating with the production of munitions and other war necessities, together with a growth in domestic and commercial demand stimulated by these activities, required engineering studies and careful planning for efficient power supply. This planning involved the rearrangement of certain distributing circuits and the advance purchase of transformers and oil circuit-breakers which require considerable time to produce, in order to ensure availability of such equipment for war load installations which in many cases are of an emergent nature.

At the end of this section is given a tabulation of the transformer and distributing stations where major construction work affecting the transformer capacity was undertaken and to a large extent completed during the fiscal year. At other stations similar work is under way and scheduled for completion in 1941.

Besides changes in transformer capacity important work of a less extensive nature in both the generating and transformer stations of the Commission was carried out where required, such as the installation of additional switching equipment, improved relaying and protective equipment and larger capacity metering equipments.

Transmission line construction in 1940 centred around the industrial communities of southern Ontario. In the previous year it had centred around the mining communities of northern Ontario. In all, 281 miles of new transmission lines were placed in service and extensive revisions and improvements were made in existing lines.

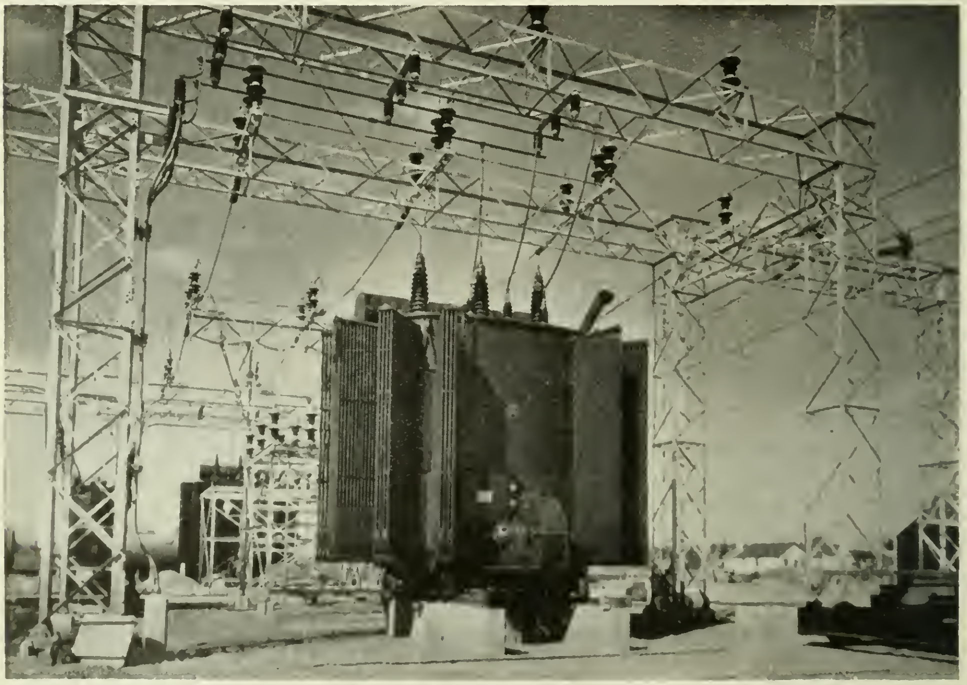
The largest single item of transmission line expenditure was on the 220,000-volt steel tower line from the Ontario-Quebec boundary near the St. Lawrence to serve the Toronto and Hamilton areas. This line was 40 per cent completed in 1940 and is scheduled to be placed in service in 1941.

Two maps at the back of this report show the transmission lines and stations of the Commission in the co-operative systems and Northern Ontario Properties. A tabulation of transmission line mileage placed in service during the fiscal year is given at the end of the section, together with a brief summary of the more important projects completed during the year.

Co-operative Systems

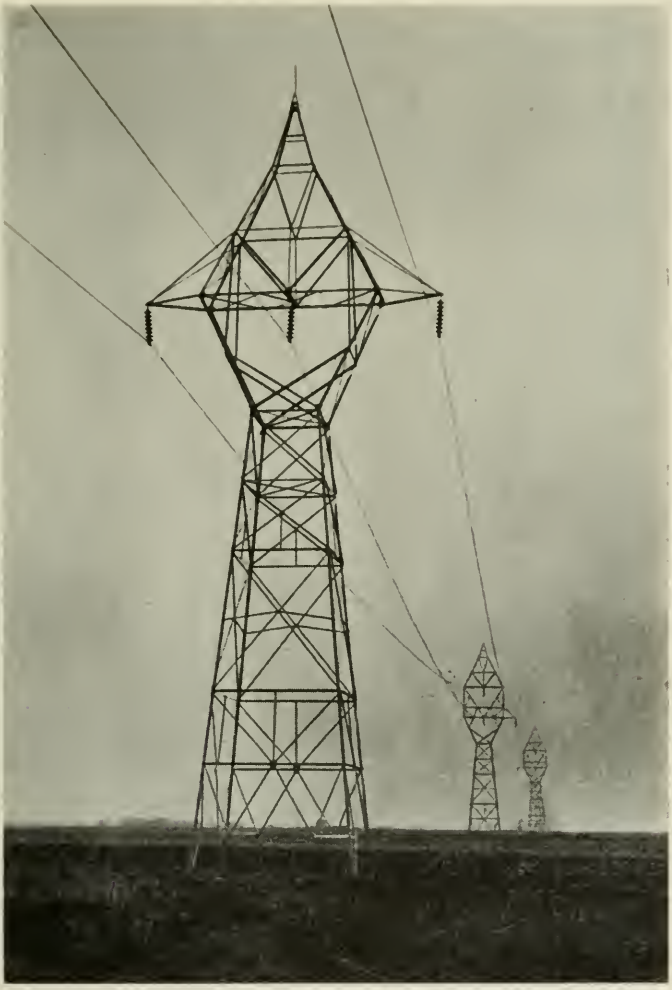
On the Niagara system the three transformer stations under construction in 1939 were completed and placed in service during the year. One of these is Toronto Fairbank, a 50,000-kv-a transformer station located in the northwest section of the city; another is Allenburg transformer station, 67,500-kv-a capacity and located at Ontario Paper Company's plant at Thorold; the third is Norfolk transformer station, 6,000-kv-a capacity, near Simcoe.

Among the transformer stations included in the tabulation but which were not completed in 1940 is one being constructed at Burlington for the supply of additional power to the Niagara system at 110,000 volts from sources in Quebec and eastern Ontario over 220,000-volt circuits. Designs are being prepared for a station with an ultimate capacity of 450,000 kv-a. The site has been purchased and construction work was started in November 1940. Most of the equipment for the initial installation has been purchased and is expected to be placed in service by June 1941. This initial installation will consist of two 75,000-kv-a transformer banks with a spare unit and two voltage-regulators. The transformers are rated 25,000-kv-a, 25-cycle, single-phase 220,000/110,000/13,200-volt, forced-air-cooled and the voltage-



TORONTO-FAIRBANK TRANSFORMER STATION

Showing No. 2 transformer, capacity 25,000 kv-a

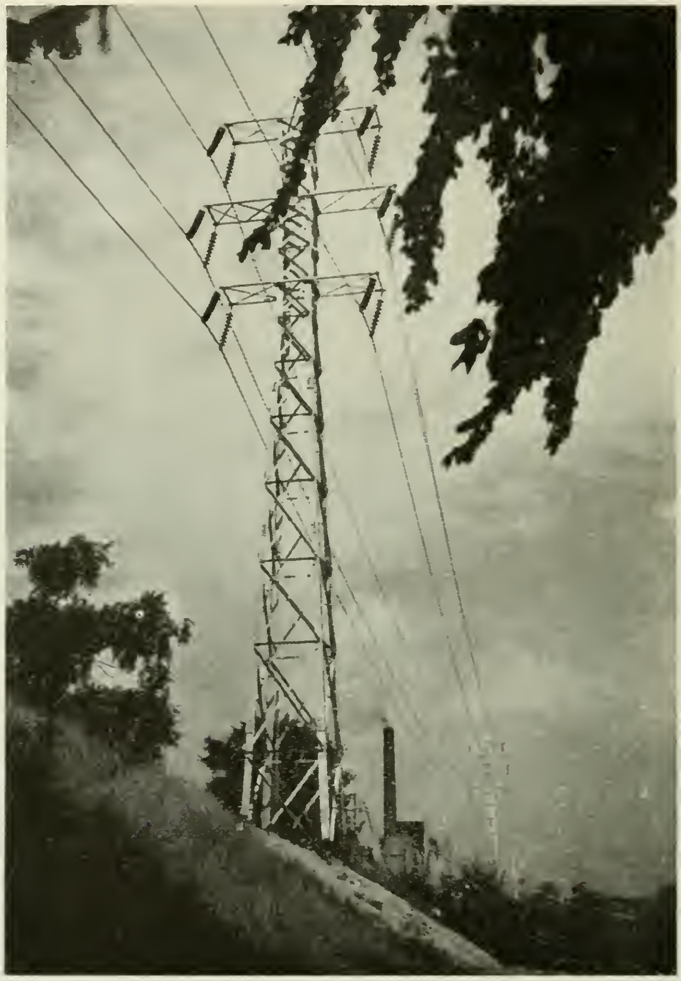


TRANSMISSION LINES — NIAGARA SYSTEM
Standard and transposition towers on 110,000-volt line from St. Thomas to Windsor

regulators are rated 75,000-kv-a (circuit-capacity), 25-cycle, three-phase, 110,000-volt, self-cooled, for a maximum voltage regulation of 15 per cent.

At Hamilton a two unit 50,000-kv-a transformer station similar to Toronto-Fairbank is under construction. One of the units has already been placed in service. Additional transformer capacity was installed and placed in service at Toronto-Bridgman, St. Thomas, St. Clair, Brant and Woodstock transformer stations.

In July 1940, the new 110,000-volt single-circuit line on steel towers between St. Thomas and Windsor, 103 miles, was placed in service. This line, which has a capacity equal to the other two existing lines on double-circuit towers, has greatly improved operating conditions of the western section of the Niagara system.

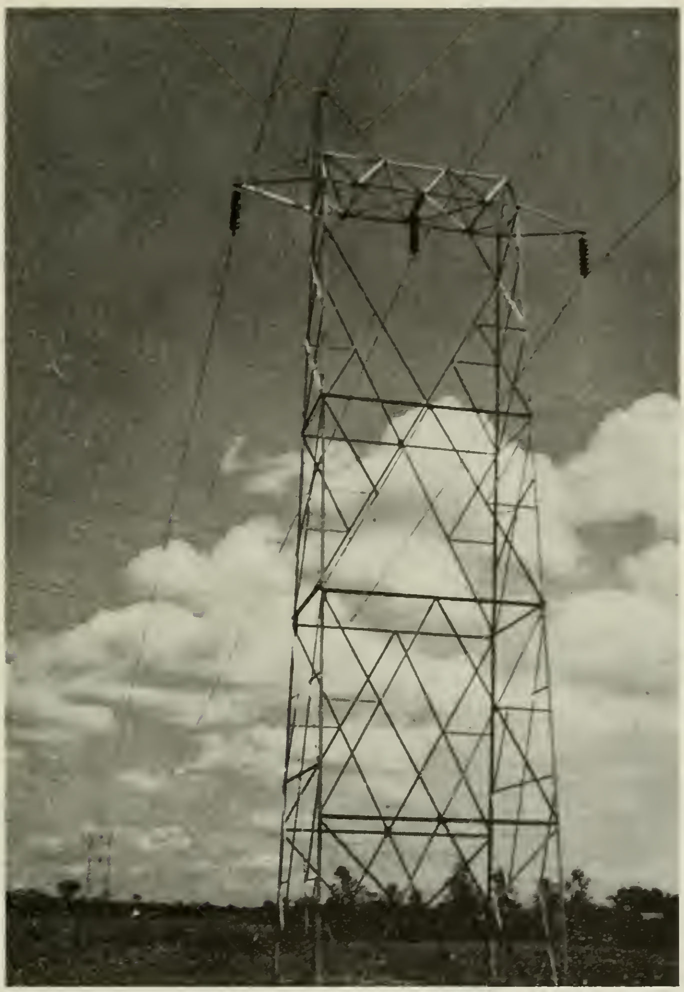


TRANSMISSION LINES IN TORONTO — NIAGARA SYSTEM

Narrow-base towers on 110,000-volt line from St. Clair Avenue junction to Toronto-Fairbank transformer station

Substantial progress was made on the construction of a new 220,000-volt line which, when completed, will extend from the eastern boundary of the Province, the Quebec border, to the new transformer station at Burlington. At the end of the fiscal year about 150 miles of towers and footings had been erected and 75 miles of steel-reinforced aluminum conductor had been strung.

In the Georgian Bay system at Hanover frequency-changer station an additional frequency-changer of 6,750 kv-a capacity was installed. It is operated in parallel with the original 5,000-kv-a unit for the interchange of power with the Niagara system. Two 5,000-kv-a generating units have been purchased for the power development now under construction at Big Eddy on the Musquash river. A 6,000-kv-a distributing station was in-



TRANSMISSION LINES — EASTERN ONTARIO SYSTEM
Standard tower on 110,000-volt line from Frontenac to Sidney

stalled and a 37-mile high-voltage transmission line was constructed for the supply of power to a munitions plant. Increased transformer capacity was provided in 12 distributing stations.

In the Eastern Ontario system a new 3,000-kv-a transformer station was constructed to supply power to the National Research Council at Ottawa, and an adjacent rural power district. The capacity of the Ottawa transformer station was increased by the installation of an additional bank of three 5,000-kv-a transformers, and additional transformer capacity was provided at many distributing stations. Many sections of the high-voltage network were strengthened by the construction of new lines and the rehabilitation of certain sections.

Northern Ontario Properties

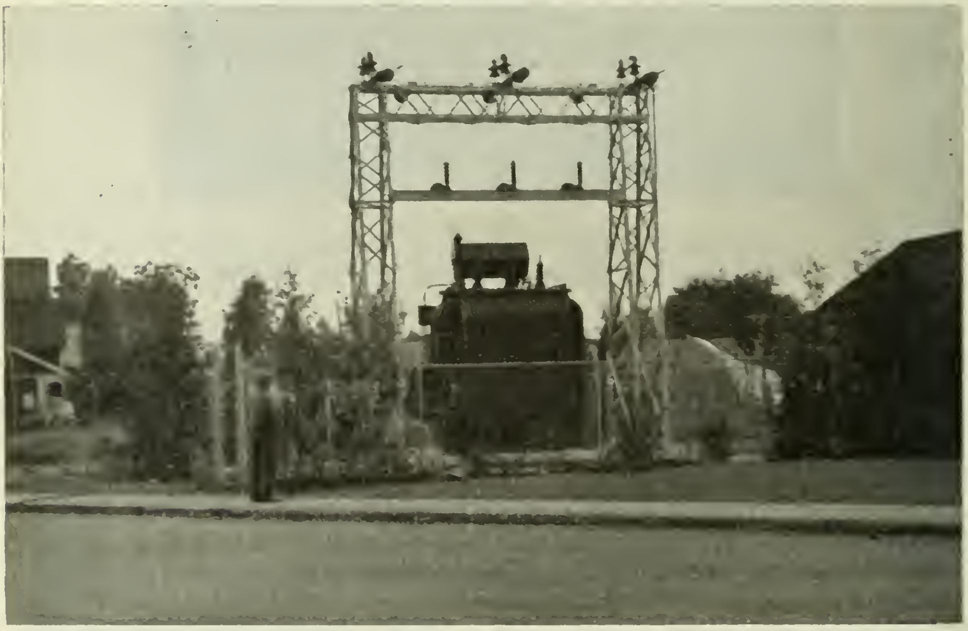
The third generator unit, 6,000-kv-a capacity, was placed in service at Ear Falls development in the Patricia district. Additional transformer capacity was installed at Ramore, Timmins, Larder Lake and Pamour transformer stations in the Abitibi district. The re-insulation of the transmission circuit from Crystal Falls generating station to Coniston generating station for 110,000-volt service was completed and an 8,000-kv-a, 3-phase step-up transformer installed at each end to effect a tie-in to the original circuits. More than 43 miles of transmission circuits were erected throughout the various districts.

Rural Power Districts

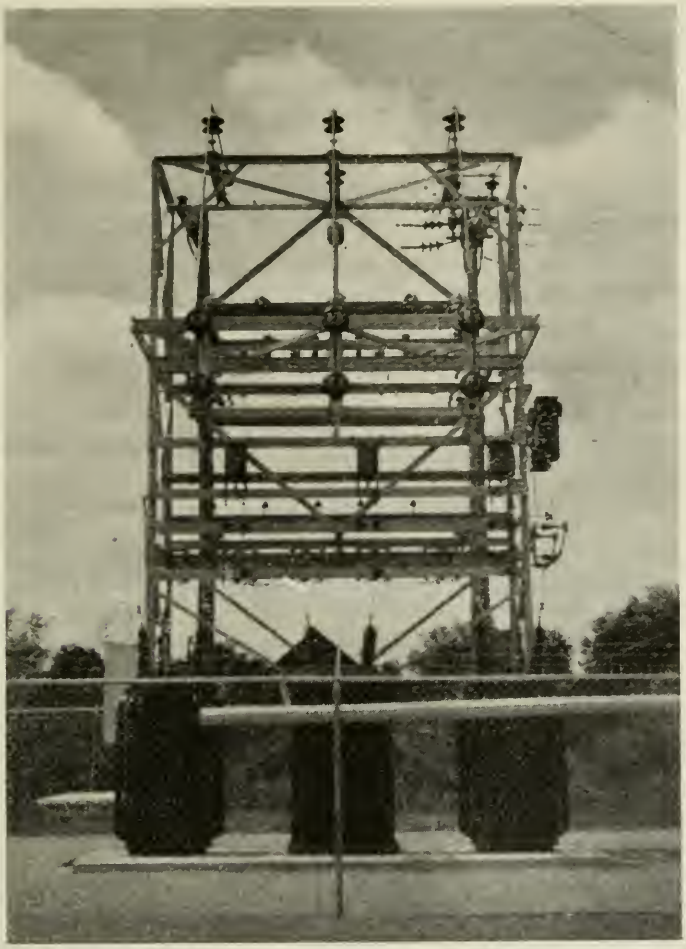
The rural power lines throughout all the systems were extended approximately 1,550 miles for the supply of power to the rural districts; 570 miles of these extensions were in Niagara system; 366 miles in Georgian Bay system; 405 miles in Eastern Ontario system; 82 miles in Thunder Bay system and 127 miles in Northern Ontario Properties.

Office Building

Ten additional office floors and two penthouse floors were added to the Commission's six-storey office building on University avenue, erected in 1934. The enlarged office space will relieve the crowded condition that



DISTRIBUTION STATION NO. 3 — EAST YORK
A unit type station with site improvements



RURAL DISTRIBUTION STATION — PERTH
A standard rural type station

exists in the present offices and accommodate that portion of the head-office staff that has been housed in other buildings. The construction work was started in March and will be completed early in 1941. Most of the staff will, however, be in their new quarters by December 1940.

Distribution Lines

At the end of this section is a tabulation of the mileage of distribution lines constructed by the Commission in rural power districts, and the number of consumers served. The capital investment in these rural power districts at October 31, 1940, was approximately $36,600,000.

In addition to the extensions in connection with rural electrical service, the Commission during 1940 extended power lines to serve aerodromes established in connection with the Empire training plan and constructed distributing systems on the aerodrome sites.

The lighting of the Queen Elizabeth dual highway was extended. Installations were completed from the western limits of Toronto to Brown's Line, from Burlington to Burlington Beach and from Burlington Beach to the vicinity of Niagara Falls. The total mileage added during the year was 41.6 miles. Construction work was also commenced on the 16-mile section between Oakville and Hamilton.

A number of highway traffic signals were installed in various parts of the Province.

TRANSFORMER CHANGES COMPLETED DURING YEAR ENDED OCT. 31, 1940

And Some of Special Importance Under Construction

	Installed transformers						Removed transformers		
Stations	No	Kv-a	Ph	Total kv-a	From	In service	No	Kv-a	To
Niagara System									
N31 Toronto-Bridgman T.S.	3	10,000	1	30,000	1 spare 2-new	Feb. 2, '40	...	.....	....
N10 Woodstock T.S.	3	2,500	1	7,500	Brant	Sept. 10,'40	3	1,250	Reserve
	3	2,500	1	7,500	St. Thomas	Oct. 31, '40	3	2,500	Woodstock
N11 St. Thomas T.S.	3	2,500	1	7,500	Woodstock	Oct. 31, '40	3	2,500	St. Thomas
							2	1,250	Reserve
N12 Brant T.S.	3	5,000	1	15,000	Toronto Bridgman	Oct. 31, '40	3	2,500	Woodstock
N18 St. Clair T.S.	3	5,000	1	15,000	2-reserve 1-new	Aug. 24, '40	3	2,850	Preston
N49 Allenburg T.S.	3	22,500	1	67,500	New	Dec. 24, '39	...	.....	....
N22 Norfolk T.S.	1	6,000	3	6,000	New	Jan. 28, '40	...	.....	....
N35 Toronto-Fairbank T.S.	2	25,000	3	50,000	New	Sept. 8, '40	...	.....	....
N24 Hamilton-Gage T.S.	1	25,000	3	25,000	Reserve	Aug. 19, '40	...	.....	....
	1	25,000	3	25,000	Reserve	1941	...	.....	....
NA39 Burlington T.S.	6	25,000	1	150,000	New	1941	...	.....	....
CS121 Chemical Con. Corp. D.S.	1	300	3	300	Reserve	Aug. 12,'40	...	.....	....
	1	1,500	3	1,500	Reserve	Sep. 18, '40	...	.....	....
		1,800		1,800					
N234 Lynden D.S.	3	150	1	450	Reserve	Jan. 30, '40	3	75	Reserve
N237 Caledonia D.S.	1	300	3	300	Reserve	June 27,'40	...	.....	....
N332 Agincourt D.S.	3	250	1	750	Reserve	Aug. 11,'40	...	.....	....
N336 Thornhill D.S.	3	250	1	750	Reserve	Oct. 24, '40	...	.....	....
N339 deHavilland D.S.	3	500	1	1,500	New	Aug. 25,'40	...	.....	....

TRANSFORMER CHANGES COMPLETED DURING YEAR ENDED OCT. 31, 1940

And Some of Special Importance Under Construction—Continued

Station	Installed transformers						Removed transformers		
	No	Kv-a	Ph	Total kv-a	From	In service	No	Kv-a	To
Niagara System —Continued									
N354 East York No. 1 D.S.	1	1,875	3	1,875	New	Apr. 26, '40	...	.....	....
N356 East York No. 3 D.S.	1	1,875	3	1,875	New	Apr. 25, '40	...	.....	....
N334 Fallingbrook D.S.	1	1,500	3	1,500	New	May 9, '40	...	.....	....
N348 Glencairn D.S.	1	1,500	3	1,500	New	June 20,'40	...	.....	....
N442 Ailsa Craig D.S.	3	150	1	450	Dashwood	June 9, '40	3	75	Reserve
N446 Dashwood D.S.	3	250	1	750	Reserve	May 2, '40	3	150	Ailsa Craig
N439 Dorchester D.S.	3	250	1	750	Woodstock	Nov. 27,'39	3	150	Reserve
N4D34 Strathroy R.S.		Dism	ant	led	R.S.	Aug. 25,'40	3	75	Reserve
N445 Strathroy D.S.	3	200	1	600	New	Aug. 25,'40	...	.....	....
N834 Dublin D.S.	2	75	3	150	Reserve	June 2, '40	1	50	Reserve
N820 Goderich R.S. (Dep.ofNat.Def.)	3	200	1	600	New	Oct. 29, '40	...	.....	....
N849 Goderich R.S.	...	......	...	....	....	Oct. 29, '40	3	75	Reserve
N1033 Embro D.S.	3	200	1	600	New	Sep. 12, '40	3	75	Reserve
N1139 Shedden D.S.	3	333	1	1,000	New	Sep. 15, '40	1	300	Reserve
N1220 Brantford D.S. (Dep.of Nat.Def)	3	300	1	900	Reserve	Sep. 8, '40	...	.....	....
N1233 Dumfries D.S.	1	75	1	75	Reserve	June 3, '40	...	.....	....
N1244 Vittoria D.S.	1	150	3	150	Reserve	Dec. 21, '39	...	.....	....
N15D31 Walkerville, Jct. D.S.	3	500	1	1,500	New	Jan. 27, '40	3	250	Bartonville
N1635 Bolton D.S.	3	150	1	450	Reserve	Aug. 25, '40	...	.....	....
N1652 Kingsway D.S.	1	1,500	3	1,500	New	1941	...	.....	....
N1748 Bartonville D.S.	3	250	1	750	Walkerville Jct.	Apr. 19, '40	...	.....	....
N1745 Grimsby D.S.	3	500	1	1,500	New	June 12,'40	...	.....	....
N1747 Smithville D.S.	3	150	1	450	New	May 31,'40	...	.....	....
ND24 Ancaster D.S.		Dism	an	tled	....	May 1, '40	3	300	Reserve
N4331 Port Colborne D.S.	1	3,000	3	3,000	Reserve	Oct. 21, '40	1	1,500	Dunnville
N29 Welland D.S.	1	3,000	3	3,000	New	May 25,'40	...	.....	....
Georgian Bay System									
G35 Bala D.S.	3	150	1	450	Bala, G.S.	Aug. 1, '40	3	150	Southampton
	3	500	1	1,500	New	Aug. 1, '40	...	.....	....
G23 Camp BordenNo.2,D.S.	3	250	1	750	New	June 7, '40	...	.....	....
	3	667	1	2,000	New	Oct. 3, '40	3	250	Reserve
GE13 Grand Valley D.S.	3	100	1	300	Mt. Forest	June 23,'40	3	75	Waubaushene
GE9 Mt.Forest D.S.	3	250	1	750	New	Jan. 7, '40	3	100	Grand Valley
GE2 Owen Sound D.S.	3	1,000	1	3,000	New	Mar. 28,'40	3	550	Reserve
GE44 Port Elgin D.S.	3	250	1	750	Stayner	Aug. 30,'40	3	100	Reserve
GE35 Southampton D.S.	3	150	1	450	Bala	Aug. 26, '40	3	100	Reserve
GE34 Tara D.S.	3	50	1	150	Waubaushene	Aug. 1, '40	1	75	Reserve
GS10 Stayner D.S.	3	667	1	2,000	New	Aug. 1, '40	3	250	Port Elgin
GS34 Tottenham D.S.	1	200	3	200	New	Aug. 11,'40	1	75	Reserve
GS18 Waubaushene D.S.	3	75	1	225	Grand Valley	July 11, '40	3	50	Tara

TRANSFORMER CHANGES COMPLETED DURING YEAR ENDED OCT. 31, 1940

And Some of Special Importance Under Construction—Concluded

Installed transformers							Removed transformers		
Station	No	Kv-a	Ph	Total kv-a	From	In service	No	Kv-a	To
Georgian Bay System —Continued									
GS2031 Big Chute D.S.	2	100	1	200	New	Aug. 9, '40	1	100	Reserve
GW3 Cannington D.S.	3	150	1	450	Reserve	1941	3	100	Reserve
G1501 Can. Ind. Ltd. Nobel Stn. D.S.	2	3,000	3	6,000	New	June 23,'40	...	.....	....
G36 Hanover F.C.S.	1	8,000	3	8,000	New	Sep. 2, '40	...	.....	....
G36 " "	3	2,500	1	7,500	New	Sep. 2, '40	...	.....	....
Eastern Ontario System									
Q1 Ottawa T.S.	3	5,000	1	15,000	New	Mar. 3, '40	...	.....	....
Q16 National Research Ottawa T.S.	3	1,000	1	3,000	New	1941	...	.....	....
QCD31 Colborne R.S.	3	100	1	300	Reserve	Feb. 4, '40	3	50	Reserve
QC13 Cobourg D.S.	1	750	3	750	Reserve	Sep. 1, '40	...	.....	....
QCD31 Cobourg R.S.	3	333	1	1,000	New	Aug. 11,'40	3	100	Reserve
QC32 Deloro D.S.	3	500	1	1,500	New	May 12,'40	3	250	Reserve
QC94 Northbrook D.S.	1	500	1	500	Reserve	Feb. 20, '40	...	.....	....
QC45 Wellington D.S.	1	750	3	750	Reserve	June 17,'40	1	300	Reserve
QH9 Kemptville D.S.	1	600	3	600	Reserve	Oct. 10, '40	1	300	Reserve
QL6 Cornwall (Howard Smith Paper Co.) D.S.	1	3,000	3	3,000	Reserve	April 7, '40	...	.....	....
Q3731 Minden D.S.	3	75	1	225	Reserve	June 11,'40	3	37-½	Reserve
QH16 Perth R.S.	2	100	1	200	Reserve	July 3, '40	...	.....	....
QL28 Winchester No. 2 D.S.	3	100	1	300	Reserve	Oct. 24, '40	...	.....	....
QC70 Napanee R.S.	3	250	1	750	New	Jan. 3, '40	3	100	Reserve
QL18 Farrans Pt. D.S.	1	50	3	50	New	Feb. 3, '40	...	.....	....
Northern Ontario Properties									
FS1 Conniston G.S.	1	8,000	3	8,000	New......	Mar. 31,'40	...	.....	....
FS7 Crystal Falls G.S.	1	8,000	3	8,000	New	Mar. 31,'40	...	.....	....
FA18 Ramore T.S.	3	1,500	1	4,500	Reserve	Apr. 7, '40	1	1,000	Reserve
FA19 Timmins T.S.	...	......	...	......	....	Jan. 10, '40	6	1,500	Reserve
FA21 Larder Lake T.S.	3	1,500	1	4,500	New	May 12,'40	...	.....	....
FA22 Pamour T.S.	3	1,500	1	4,500	Reserve	June 23,'40	...	.....	....
FP1 Ear Falls T.S.	3	2,000	1	6,000	New	Jan. 4, '40	...	.....	....
FA2236 Connaught D.S.	3	75	1	225	New	Oct. 2, '40	...	.....	....
FZ11 Canada Lumber Co. D.S.		Disma	ntl	ed	....	Oct. 25, '40	3	50	Chatsworth
FZ5 North Bay No. 1 D.S.	3	1,000	1	3,000	New	Feb. 4, '40	3 1	450 750	Reserve North Bay 2
FZ9 North Bay No. 2 D.S.	1	750	3	750	North Bay No. 1	Feb. 24,'40	...	.....	....

TOTAL MILEAGE OF TRANSMISSION LINES AND CIRCUITS

System and voltage	Kind of structures	Line route or structure miles			Circuit miles
		Total to Oct. 31 1939	Additions 1940	Total to Oct. 31 1940	Total to Oct. 31 1940
Niagara System					
220,000-volt	steel	705.27	0.13	705.40	705.40
110,000-volt	"	723.53	105.83	829.36	1,500.41
110,000-volt	wood	67.16	7.38	74.54	74.54
90,000-volt	steel	65.85	....	65.85	120.81
60,000-volt	"	78.75	....	78.75	60.00
60,000-volt	wood	9.20	1.28	10.48	10.48
46,000-volt	steel	32.42	....	32.42	65.64
46,000-volt	wood	23.73	....	23.73	23.73
26,400-volt	"	729.32	18.35	747.67	895.33
13,200-volt	"	356.01	14.34	370.35	431.20
13,200-volt	steel	1.17	....	1.17	2.34
12,000-volt	wood	114.92	*17.16	97.67	125.67
Dominion Power division—44,000-volt	steel	34.76	....	34.76	72.07
Dominion Power division—44,000-volt	wood	118.37	....	118.37	114.75
Dominion Power division—22,000-volt	"	28.69	....	28.69	38.21
Dominion Power division—10,000-volt	"	14.46	....	14.46	14.46
Georgian Bay System					
110,000-volt	wood	55.83	....	55.83	55.83
38,000-volt	"	146.89	35.66	182.55	182.98
6,600-volt	"	2.30	....	2.30	2.30
Severn district—22,000-volt	"	148.61	*1.50	147.11	218.04
Eugenia district—26,400-volt and less	"	281.73	*34.33	247.40	329.28
Wasdell district—22,000-volt	"	83.43	....	83.43	87.37
Muskoka district—38,000-volt	"	26.31	....	26.31	26.31
Eastern Ontario System					
110,000-volt	steel	107.08	56.15	163.23	166.54
110,000-volt	wood	163.44	50.94	214.38	214.38
44,000-volt	"	24.33	....	24.33	24.33
33,000-volt	"	42.26	....	42.26	47.94
Central district—44,000-volt and less	"	532.88	*2.00	530.88	582.11
St. Lawrence district—44,000-volt	"	125.63	2.66	128.29	128.67
Rideau district—26,400-volt	"	62.63	....	62.63	62.63
Madawaska district–33,000-volt and less	"	58.81	....	58.81	58.81
Thunder Bay System					
110,000-volt	steel	82.12	....	82.12	164.28
110,000-volt	wood	178.21	....	178.21	178.21
44,000-volt	"	116.76	*1.85	114.91	114.91
22,000-volt	"	7.87	....	7.87	7.87
12,000-volt	"	1.45	....	1.45	1.45
Northern Ontario Properties					
Nipissing district—22,000-volt	wood	62.39	....	62.39	78.91
Sudbury district—110,000-volt	"	....	46.23	46.23	46.23
Sudbury district— 22,000-volt	"	106.09	*46.23	59.86	59.86
Abitibi district—132,000-volt	steel	362.74	....	362.74	725.48
132,000-volt	wood	190.19	....	190.19	190.19
33,000-volt and less	"	98.57	1.69	100.26	101.02
Patricia-St. Joseph district–44,000-volt	"	300.96	43.06	344.02	344.02
22,000-volt	"	33.01	....	33.01	33.18
Totals	....	6,506.13	*280.63	6,786.76	8,488.87

*Removals. †Net increase.

TRANSMISSION LINE CHANGES AND ADDITIONS MADE DURING YEAR ENDED OCTOBER 31, 1940

NIAGARA SYSTEM

High-Voltage Lines

A 110,000-volt, single-circuit, steel-tower line was built from St. Thomas transformer station 103 miles to Essex transformer station.

A 110,000-volt, single-circuit, wood-pole line was built from Vanessa junction 7.4 miles to Norfolk transformer station.

A 110,000-volt, double-circuit, steel-tower line was built from St. Clair Avenue junction 2.8 miles to Fairbank transformer station.

A 60,000-volt, single-circuit, wood-pole line was built from Dainville junction 1.28 miles to Welland transformer station.

Two suspension towers and one lattice steel pole were installed near Gage avenue in Hamilton to provide a tap for Hamilton-Gage transformer station in the 110,000-volt line from Hamilton-Beach transformer station to Hamilton-Stirton transformer station..

Tower No. 50 of the Queenston-Hamilton line was moved back from the bank of the Welland canal to a more solid footing.

Tower No. 327 of the Niagara-Welland line was relocated to provide clearance for new buildings of the United Steel Corporation.

The disused former Toronto and Niagara Power Company towers from Silverdale approximately 10 miles to Oxleys was restrung and put into service at 44,000 volts as part of the line from DeCew Falls to Bartonville.

A 60,000-volt, single-circuit, wood-pole line, temporarily operating at 12,000 volts, was built from a point in the former Toronto Power Company line in Stamford township 1 6 miles to the Welland Chemical Works Limited.

Low-Voltage Lines

Niagara District:—Sections of the 12,000-volt line between Lionite junction and Niagara-on-the-Lake were relocated and parts were restrung. The greater part of the section between St. Davids distributing station and Niagara-on-the-Lake was converted to pole-top-pin construction.

A 12,000-volt emergency circuit was built from Queenston generating station 2.3 miles to Whirlpool junction.

Dundas District:—A 26,400-volt line was built from Decewsville distributing station 7.3 miles to Rainham distributing station.

A 26,400-volt line was built from Rainham junction 7.7 miles to Jarvis airport for the Dominion Government.

Toronto District:—A 26,400-volt line was built from Newmarket distributing station 4.3 miles to Sharon distributing station, replacing the former circuit.

A 26,400-volt line was built from Bendale junction 3.9 miles to Agincourt distributing station.

A 26,400-volt line was built from Lawrence Avenue junction 5.0 miles to de Havilland Airport distributing station.

A 13,200-volt line was built from Wardin Avenue junction 2.1 miles to Fallingbrook distributing station.

A 26,400-volt line was built from Park Avenue junction 3.2 miles to York Mills distributing station.

The 13,200-volt line from Leaside transformer station 0.9 mile to Sun Brick distributing station was restrung and reinsulated for 26,400-volt operation, and a new 26,400-volt line was built from Sun Brick distributing station 0.7 mile to East York distributing station No. 1, and from East York distributing station No. 1, 0.7 mile to East York distributing station No. 3.

STRATFORD DISTRICT:—The 26,400-volt line from Stratford transformer station 9.7 miles to Tavistock distributing station was converted to pole-top-pin construction.

WOODSTOCK DISTRICT:—The 13,200-volt line from Beachville distributing station 6.0 miles to Embro distributing station was reinsulated for 26,400 volts.

The 13,200-volt line from Norwich junction 4.6 miles to Norwich distributing station was reinsulated for 26,400 volts and converted to pole-top-pin construction.

BRANT DISTRICT:—The 26,400-volt line from Vittoria junction 8.5 miles to St. Williams distributing station was converted to pole-top-pin construction.

A 26,400-volt line was strung on existing rural poles from Vittoria junction 0.7 mile to Vittoria distributing station.

The 26,400-volt line from Burford distributing station 3.1 miles to Canadian Aggregates Limited was removed.

A 26,400-volt line was built from Consolidated Sand and Gravel junction 0.7 mile to Consolidated Sand and Gravel Company for that Company.

A 26,400-volt line was built from Norfolk transformer station 0.6 mile to Lynnville junction, and from Norfolk transformer station 2.6 miles to the Lake Erie and Northern Railway Company at Simcoe, while the existing line from this point to Simcoe municipal station was rebuilt.

KENT DISTRICT:—A section of the 26,400-volt line from Prince Albert junction to Blenheim distributing station was relocated.

ESSEX DISTRICT:—The 26,400-volt lines from Amherstburg junction 21.5 miles to Comet distributing station and Kingsville distributing station were fitted with new hardware, and re-sagged.

YORK DISTRICT:—A 13,200-volt line was built from York transformer station 1.3 miles to Kingsway distributing station.

The 26,400-volt line from Kleinberg distributing station 5.1 miles to Bolton distributing station was converted to pole-top-pin construction.

A 26,400-volt line was built from Malton distributing station 0.3 mile to Canadian Associated Aircraft Limited.

HAMILTON DISTRICT:—A 13,200-volt line was built from Hamilton Beach transformer station 1.3 miles to Windermere junction, so that Grimsby distributing station and Beamsville distributing station are now fed from Hamilton Beach transformer station.

A 13,200-volt line was built from Smithville distributing station 1.1 miles north to former Dominion Power and Transmission Company lines, so that Smithville is now fed from Hamilton Beach transformer station.

A 13,200-volt line was built from Hamilton Beach transformer station 1.0 mile to the former Dominion Power and Transmission Company lines, so that Bartonville distributing station is now fed from Hamilton Beach transformer station.

ST. CLAIR DISTRICT:—A 26,400-volt line was built from Wanstead junction 8.1 miles to Watford junction.

TORONTO AND FAIRBANK DISTRICT:—A 26,400-volt line was built from Fairbank transformer station 1.3 miles to Forest Hill municipal station.

A 26,400-volt line was built from Fairbank transformer station 1.4 miles to Glencairn distributing station.

A 26,400-volt line was built from Fairbank transformer station 2.7 miles to Kodak junction.

PORT COLBORNE DISTRICT:—A 13,200-volt line was built for Robin Hood Flour Mills Limited from their plant 0.6 mile to the Welland canal to connect with cable under the canal and a former Dominion Government-owned line to Killaly junction.

WELLAND DISTRICT:—A part of the 12,000-volt double-circuit line from Electro Metallurgical Company 0.5 mile to Canada Steel junction was converted to single-circuit construction and restrung with heavier conductor.

A 12,000-volt circuit was strung from the Electro Metallurgical Company of Canada on the existing 46,000-volt line from Welland transformer station 0.4 mile to Union Carbide junction.

ALLANBURG DISTRICT:—The 12,000-volt, double-circuit line between the Ontario Paper Company and Port Robinson distributing station was converted to single-circuit construction, and was relocated from Welland canal junction 1.1 miles to Port Robinson distributing station. This line, together with the line from Port Robinson junction to Fonthill distributing station and the newly-built line from Allanburg transforming station 0.3 mile to Best Yeast Limited, are now energized from Allanburg transformer station and constitute a new operating district.

NIAGARA DOMINION DISTRICT:—The former Dominion Power and Transmission Company and the former Toronto and Niagara Power Company circuits between Niagara Falls and Hamilton were connected by the construction of four 44,000-volt taps at Windermere junction, Red Hill junction, Escarpment junction and Smithville junction, as noted under Hamilton district above.

GEORGIAN BAY SYSTEM

High-Voltage Lines

A 38,000-volt, single-circuit, wood-pole line was built from Ragged Rapids generating station 37.2 miles to the plant of Canadian Industries Limited at Nobel for that Company.

The former 22,000-volt line from Stayner junction 1.5 miles to Stayner distributing station was restrung and reinsulated for 38,000-volt operation.

One of the 22,000-volt circuits on the existing line from Eugenia 34.3 miles to Hanover was reinsulated for 38,000-volt operation.

EASTERN ONTARIO SYSTEM

High-Voltage Lines

A 110,000-volt, single-circuit, wood-pole line was built from Frontenac transformer station 1.5 miles to the Aluminum Company of Canada.

A 110,000-volt, single-circuit, wood-pole line was built from Chats Falls 29 miles to Federal junction, from Federal junction 8.9 miles to Cyrville junction, and from Cyrville junction 11.4 miles to Lievre junction.

A 110,000-volt, single-circuit, steel-tower line was built from Frontenac transformer station 56.1 miles to Sidney transformer station.

A 110,000-volt, single-circuit, wood-pole line was built from Sidney transformer station 3.0 miles to Newcombe junction, while the 44,000-volt, single-circuit, wood-pole line from Newcombe junction 34.6 miles to Welcome junction and from Welcome junction 28.1 miles to the former Oshawa Boulevard junction was rehabilitated and reinsulated for operation at 110,000 volts. Provision is thus made for a 110,000-volt line which will be placed in service next year from Trenton transformer station 65.7 miles to the new Oshawa transformer station.

Low-Voltage Lines

Additional storm guys were added to many lines in the Central, Rideau, and St. Lawrence districts.

NORTHERN ONTARIO PROPERTIES

Abitibi District:—The relocation of Timmins transformer station necessitated a diversion of part of the 132,000-volt, double-circuit, steel-tower line from Tisdale junction to Timmins transformer station.

A 13,200-volt line was built from Kirkland Lake transformer station 1.2 miles to Lakeshore Mines Limited.

A 13,200-volt line was built from Golden Gate Mining Company 0.8 mile to Crescent Kirkland Gold Mines Limited.

A short portion of the 26,400-volt line from Simpson Lake junction 1.4 miles to Ankerite junction was relocated.

Patricia-St. Joseph District:—A 44,000-volt, single-circuit, wood-pole line was built from Couchenour-Willans distributing station 1.0 mile to McMarmac Red Lake Gold Mines Limited.

A 44,000-volt, single-circuit, wood-pole line was built from Uchi switching station 42.0 miles to Jason Gold Mines transformer station.

TELEPHONE LINES—ALL SYSTEMS

In the Niagara system, portions of the line from Dundas transformer station to Guelph transformer station, 8.8 miles in length, were rebuilt. Between Allanburg junction and Dundas transformer station, 14.9 miles of the AA line were removed. This was replaced by 14.5 miles of new line located to the south of the former A line.

Part of the line was rebuilt from London transformer station 2.2 miles to St. Thomas transformer station. Part of the line was rebuilt from Woodstock transformer station 1.9 miles to London transformer station.

A double-circuit line was erected on 26,400-volt transmission line poles from Fairbank transformer station 4.7 miles to York Mills distributing station, with single-circuit taps of 0.5 mile to Forest Hill and Glencairn distributing stations. A single-circuit line was erected from Fairbank transformer station 2.5 miles to Kodak junction. A 34-pair, paper-insulated, lead-covered cable was erected from Fairbank transformer station 3.4 miles to Toronto-Wiltshire transformer station. An additional circuit was provided from York Mills distributing station 24.8 miles to Newmarket distributing station, including a new portion of line from Morgan avenue junction 8.3 miles to Elgin Mills.

A single-circuit line was erected on 26,400-volt transmission line poles from Norfolk transformer station 0.6 mile to a tap on the Delhi line. A single-circuit line was erected on 26,400-volt transmission line poles from Norfolk transformer station 2.7 miles to the Lake Erie and Northern Railway substation and to Simcoe municipal station.

Telephone line carrier installations were made for operation between Leaside transformer station and Belleville transformer station, Belleville transformer station and Chats Falls generating station, and Dundas transformer station to Eugenia generating station.

In the Georgian Bay system. conductor was replaced from Midland distributing station 3 miles to Penetang distributing station and from Berkeley distributing station 14.3 miles to Kilsyth junction.

An additional circuit was erected on transmission line poles from Bradford junction 24 miles to Fergusonvale junction. together with the replacement of telephone conductor from Bradford junction 11 miles to Bradford distributing station.

In the Thunder Bay system, new telephone line carrier equipment was installed for operation between Port Arthur transformer station and Cameron Falls generating station.

In the Northern Ontario Properties, a new single-circuit line was erected on transmission line poles from Uchi switching station 42 miles to Jason Gold Mines.

DISTRIBUTION LINES AND SYSTEMS IN RURAL POWER DISTRICTS

The following tabulation shows the mileage of distribution lines constructed by the Commission in rural power districts and the number of consumers served.

The summary indicates a total construction during the year of 1,545 miles of new primary line completed and giving service to 10,827 additional consumers.

SUMMARY OF CONSTRUCTION IN RURAL POWER DISTRICTS

System and district	At October 31, 1939		At October 31, 1940					
	Miles of primary line constructed	Number of consumers receiving service	Miles of primary line			Number of consumers		
			Constructed	Under construction or authorized	Total	Receiving service	Authorized	Total
NIAGARA SYSTEM.....	10,801.73	70,886	11,372.68	114.75	11,487.43	76,123	257	76,380
GEORGIAN BAY SYSTEM								
Severn district.....	789.45	6,193	854.12	5.19	859.31	6,841	13	6,854
Eugenia district....	839.80	3,394	1,041.19	42.92	1,084.11	4,315	88	4,403
Wasdell district....	392.33	2,681	431.69	4.02	435.71	2,913	8	2,921
Muskoka district...	313.81	1,805	361.52	1.74	363.26	2,043	3	2,046
Bala district.......	71.11	507	101.43	1.46	102.89	629	1	630
System R.P.D.'s....	87.10	431	88.15	0.40	88.55	459	2	461
EASTERN ONTARIO SYSTEM								
Central district.....	2,421.45	13,829	2,650.39	16.51	2,666.90	15,262	40	15,302
St. Lawrence district	925.21	4,771	1,024.75	19.04	1,043.79	5,310	52	5,362
Rideau district.....	261.49	1,300	271.66	0.48	272.14	1,410	2	1,412
Madawaska district	136.07	1,029	149.52	5.32	154.84	1,125	0	1,125
Ottawa district.....	245.64	1,647	271.69	5.03	276.72	1,768	5	1,773
System R.P.D......	80.20	383	80.05	0	80.05	430	0	430
THUNDER BAY SYSTEM	192.50	800	273.18	2.61	275.79	1,134	6	1,140
NORTHERN ONTARIO PROPERTIES								
Abitibi district.....	0	0	41.00	6.10	47.10	143	20	163
Manitoulin district..	96.09	462	141.55	0	141.55	637	0	637
Sudbury & Nipissing districts.......	52.77	1,413	96.54	15.40	111.94	1,816	167	1,983
Totals.......	17,706.25	111,521	19,251.11	240.97	19,492.08	122,358	664	123,022

SECTION VII

TESTING—RESEARCH—INSPECTION

PRODUCTION AND SERVICE

THE Laboratories have been more active than ususal in nearly all sections in carrying on research work and investigations, in routine testing, in factory inspection of electrical equipment being purchased by the Commission or the municipalities, and in examination and testing of devices and fittings in the interest of public safety.

The Research Committee, organized in 1933, directs the work of sixteen subcommittees each of which is studying some specific practical problem related to the design, construction, operation or maintenance of the power systems. These subcommittees have been very effective in developing new ideas and in improving the characteristics of various materials and equipment. A new subcommittee, formed during the year, will study methods of suppressing radio interference from power lines.

In 1940, a change of great importance was made in the method of carrying on the approvals testing of electrical equipment. On May 1, the Canadian Engineering Standards Association assumed responsibility for this work, and since that date all correspondence and negotiations regarding approvals testing of electrical equipment in Canada has been carried on by the Association. The name of The Hydro-Electric Power Commission of Ontario is no longer used in this connection.

In view of the importance of this change, a brief history of the steps leading to it is given.

The Commission organized its Approvals Laboratory about 1918 for the purpose of carrying on testing only in Ontario. Its activities were, however, considerably expanded when the first edition of the Canadian Electrical Code appeared in 1927 and it undertook work for other provinces at their request, so that for the past ten or more years it has carried on approvals testing and factory re-examination in all parts of Canada and also for a large number of United States manufacturers who applied for approval under the terms of the Canadian Electrical Code. This condition appeared undesirable from the point of view of national acceptance of approvals regulations, and in 1938 a conference of provincial inspectors from all provinces passed a resolution requesting the Canadian Engineering Standards

Association to assume responsibility for the approval of electrical equipment. With this resolution the Commission agreed and when the task was accepted by the Canadian Engineering Standards Association the Commission's officials, in conjunction with representatives of the Canadian Engineering Standards Association and the National Research Council, gave every assistance in working out the details connected with the change. On May 1, 1940, the transfer of responsibility was officially made and the new order has been accepted by electrical inspection departments and industry in general with enthusiasm.

The Canadian Engineering Standards Association organized a special Approvals division which will be financed entirely from the approvals fees and will not be a charge on other standardization work of the Canadian Engineering Standards Association. The administration of the division is in the hands of an administrative board of three members, the chairman being the chief testing engineer of The Hydro-Electric Power Commission, the secretary being the secretary of the Canadian Engineering Standards Association; the third member is the engineer in charge of the electrical laboratories of the National Research Council. In order to secure the necessary contacts with and support from the provinces, an Approvals Council, which is an advisory body, was also formed consisting of the chief electrical inspector in each province.

The Commission's Approvals Laboratory still carries on most of the testing and inspection work as an agent of the Canadian Engineering Standards Association. Consequently, the transfer of responsibility has involved little change either in the staff or equipment of the Approvals Laboratory.

The Approvals Laboratory and Electrical Inspection department have co-operated throughout the year to render important service in testing various types of appliances, wire and wiring devices, and in inspecting installations to insure protection against fire and electric shock. Due partly to this activity, electrical accidents in the Province have been few.

The photographic, blueprinting and photostat department, the production and service department, machine shop, carpenter shop and garage also have completed a large number of orders for the various types of work that they handle for other departments.

TESTING AND RESEARCH LABORATORIES

Routine and General Testing

The Laboratories each year conduct a large number of routine tests on different types of material and equipment, and inspect various work for the Commission and for municipalities during construction in the manufacturer's plants and erection in the field. These services are maintained to insure the highest quality in material and workmanship in order that the equipment will be satisfactory in characteristics and in operation, with a minimum of maintenance and expense, and that power interruptions will be avoided as far as possible.

Materials and Equipment Inspection

Transmission Line Materials

The inspection of transmission line materials which pass through Strachan avenue stores has included crossarms, brackets, insulator pins, clamps of various types, general hardware, wire and cable. The amount of copper wire, steel-reinforced aluminum and galvanized steel cable inspected was 4,058 tons, about fifty per cent more than last year. A large number of vibration dampers for the new Beauharnois power line also were inspected.

Electrical Equipment

Electrical factory inspection included 214 power transformers, having total capacity of 371,850 kv-a, which was a larger number and more than twice the transformer capacity inspected in the previous year. Nearly seven times as many oil circuit-breakers were inspected with an increase of 26 per cent in total capacity, and 6,155 disconnecting switches, totalling 16,988,000 kv-a, nearly eleven times the circuit-breaker capacity inspected last year. Distribution transformers amounted to 2,900; line and bus insulators increased to the total of 352,950 units. Metal-clad switchgear for several installations was given detail inspection at the factories.

Gradient tests were made on about 3,500 transformer and oil-circuit breaker bushings in position and those showing abnormal conditions were removed and reconditioned.

Routine tests were made in the Laboratories on 5,644 pairs of linemen's rubber gloves, 2,776 samples of insulating oil, 1,680 instrument and distribution transformers, 261 thermostats and 10,000 insulators, a large increase over last year in nearly all items. Miscellaneous safety equipment also was tested. Watthour meters repaired and checked numbered 2,674 and 154 indicating instruments were calibrated.

Mechanical and Structural Equipment

The mechanical equipment inspected included ten oil-storage tanks, one heating boiler, and ten street car axles. Structural equipment included 433 window sashes. In addition, various other items of equipment for generating, transformer and switching stations were inspected. The fabrication of tanks and other parts for transformers and oil circuit-breakers, and housings for metal-clad switchgear and unit substations has been followed through the factories. Special attention was given to welding and painting.

Concrete

Three resident concrete inspectors and three part time assistants were stationed on two construction jobs. These inspectors tested the aggregates, supervised processes and generally checked the quality of the concrete.

Field inspections of four structures were made to observe the condition of the concrete and to record any evidence of deterioration so as to give them the necessary attention.

Field surveys for materials were made prior to construction work at three sites:—Big Eddy, Barrett Chute and Bark lake.

Protective Coatings

The inspection of paints and other protective coatings has shown a definite increase, 537 samples having been tested at the Laboratories. Exposure tests were made on some paints with special wood-preservative properties.

Steel and Timber

A total of 8,416 tons of steel was inspected, of which 94 per cent was tower and station steel for new installations, and most of the remainder was for reinforcing. About 11,700 pine and cedar poles also were inspected and of these 27 per cent were rejected as not suitable for any purpose of the Commission. A number of stop logs for the dam at Virgin Falls were examined.

Lamps and Lighting Equipment

A total of 84,400 lamps were tested at the factory and 4,833 life tests were made at the laboratory, the latter being an increase of 24 per cent over the previous year. Four special tests were carried out, and 35 tests made on automobile equipment for the Department of Highways. Also four candlepower distribution tests were completed. As in previous years, a number of reflex signals, samples of safety glass, auto headlight devices and direction signals were checked to determine their characteristics.

Research

Research work is carried on continually in both the laboratories and the field to improve the characteristics and quality of materials and equipment in order to insure the highest efficiency and continuity of service and to reduce cost wherever possible.

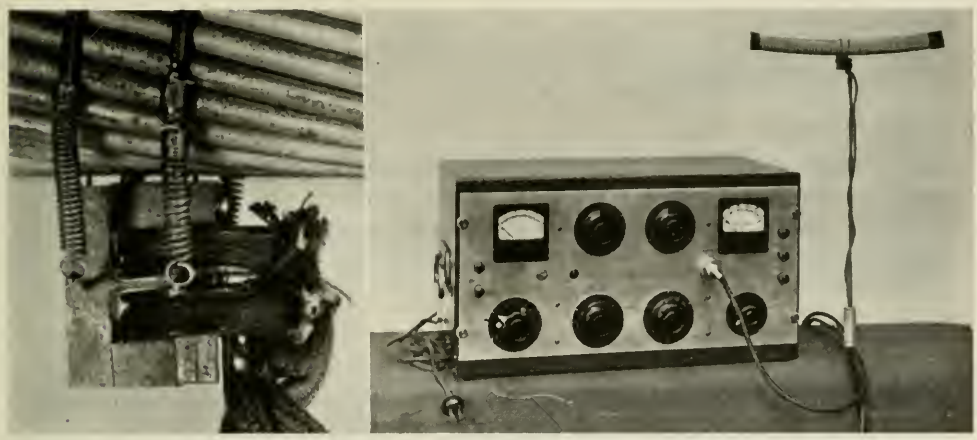
Vibration of Transmission Line Conductors

The study of vibration in power line conductors was continued and valuable information obtained to guide the engineers in the design of new lines. Mathematical studies were directed chiefly toward the design of test equipment and the characteristics of dampers and conductors.

The experimental test spans referred to in previous reports were in almost continuous operation in connection with studies of the protection required for the St. Thomas-Windsor line and the new 220,000-volt Beauharnois-Burlington line. Specific recommendations were made in both cases for the installation of dampers. Some special cables were tested on these spans to obtain comparative information on their inherent ability to suppress natural vibrations.

Further experimental work was done to determine the physical characteristics of dampers. Energy loss measurements on several types of dampers were made at Stanford University, a member of the Laboratory staff being present.

Two fatigue testing machines were in continuous use on aluminum and galvanized steel wire. Two additional machines were ordered; one arrived in September and has since been in operation. Fatigue, bend and twist



VIBRATION STUDIES ON TRANSMISSION LINE CONDUCTORS

Left — Electrical strain gauge, mounted for test, showing its two gauge points in contact with one strand of a conductor

Right—The combined bridge and electronic amplifier used with the gauge. By means of this equipment, together with an oscillograph, rapid variations of very small strains in the strand are recorded

tests were completed on a large amount of steel wire removed at different stages in the hot dip and electro-galvanizing processes.

A number of vibration fatigue tests were made on the Laboratory span to determine the endurance of certain cables, clamps and connections. The study of the forces developed and the vibratory displacement near the clamps has been continued on various types of cable.

Electrical Insulation

A new method was devised, and equipment assembled, for detecting the presence of conducting material in moulded and sheet insulation. Treatment of line insulators to prevent radio interference was a subject of active study. Klydonographs were installed at one large station to record the frequency and magnitude of lightning strokes, and readings were taken periodically.

Remote Control of Loads

Various systems of off-peak control of loads such as electric water heaters, have been investigated and engineering assistance was given to a number of municipalities where installations were contemplated.

Rural Applications of Electricity

Investigations of the characteristics of grain grinders were continued and a machine was constructed which incorporated the features developed in previous work. The objective in these studies is the design of a suitable grinder in small size which will sell at a reasonable price to meet the requirements of a large number of rural customers.

The equipment previously installed at the Ontario Agricultural College in Guelph for experiments in soil heating and the application of artificial illumination to plant growth was in use during the fall, winter and spring months. These investigations have resulted in a number of commercial florists adapting these methods in an experimental way to further production in their own greenhouses.

Electric Welding

A method of comparing stresses in welded joints, before and after stress relieving, was developed and will be useful in determining the quality of welds. The information gained in welding studies was found valuable in the inspection of welded tanks and other equipment fabricated for the Commission.

Radio Interference

Field tests of radio interference were made on several power lines of various voltages using a radio noise meter specially adapted to this purpose. The effects of such factors as temperature, humidity, proximity of ground wires and telephone lines were studied.

The interference caused by household appliances and other low-voltage devices was measured on a large number and variety of units.

Methods of suppressing radio interference and the determination of probable allowable limits were the objectives in these studies.

Electronic Applications

Studies of direct-current power transmission were continued and a bibliography of historical and recent technical articles was prepared. The problems of relaying and communication on the 220,000-volt power systems received further attention.

Domestic Hot Water Tanks and Heaters

The study of corrosion in domestic electric hot water tanks has been continued to determine the effect of size or surface area of the heating element upon the economy of operation and life of the elements. The behaviour of different elements in galvanized iron and in non-ferrous tanks was studied and some specially coated or covered elements were tested. Trouble with fuse links in thermostats also was investigated and a more suitable arrangement of link was found.

Masonry Materials

Several important problems relating to mass concrete construction were studied. These included methods of crack control, special form linings, types of cement, artificial cooling, the use of large aggregates, construction joints and winter concreting. Special attention was given to the study of concrete durability, and refrigeration equipment was installed for use in further investigations. The deterioration of cement in storage was further studied, also water movement through concrete and methods of curing concrete while retaining the moisture. Existing concrete structures were examined to observe the deterioration and determine the necessity of repair.

A specification for concrete jobs requiring less than 500 cubic yards of materials was completed. This was designed to meet the needs of foremen on small construction projects and to insure greater uniformity in concrete work.

Paints and Protective Coatings

Approval tests were made on a number of brands of paint, and also comparative studies on cap sheet roofing felts and roofing plastics.

Some of the more recent types of paints exposed in the Ottawa and Niagara rivers were inspected and tests were made on a new non-skid floor paint.

The corrosion of buried pipes and cables was studied as part of an investigation into the corrosive properties of soils with a view to applying suitable protective coatings.

Petroleum Products

A method of refining used lubricating oil was developed and a large amount of oil at Queenston was reclaimed by this means. A new type of oil filter was designed and built and a new filter paper for oil was tested. The effect of light on oil in clear and coloured containers was studied.

Treatment of Wooden Transmission Structures

The application of sand creosote collars for preservation of wood poles was continued and split collars for reinforcing and treating poles have been applied more extensively. Solid cylinders were used on a number of poles.

The inspection of a group of eastern cedar poles in service was completed. A number of poles erected in 1935 and treated in various ways were examined to determine the effects of this treatment.

Joints in Electrical Conductors

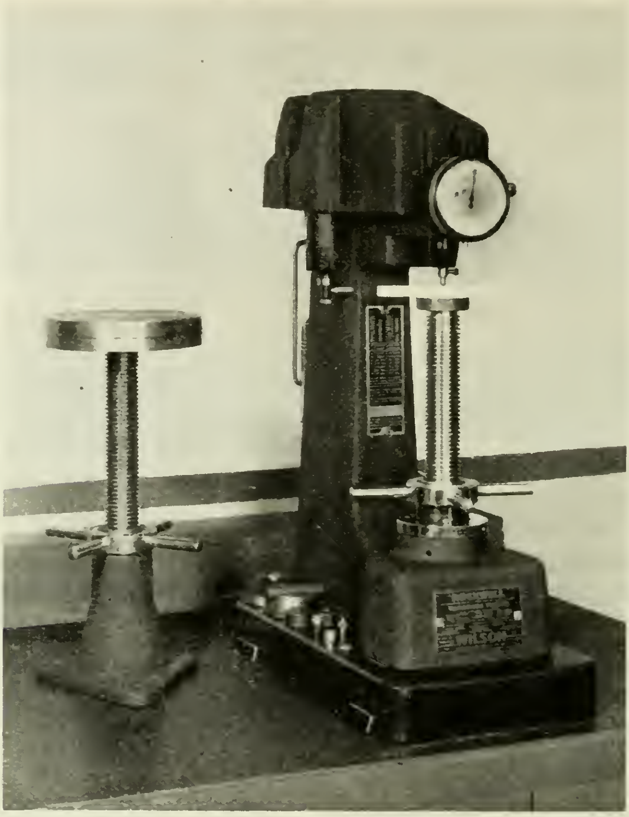
Observations were continued on a number of joints in electrical conductors to determine the rate of deterioration and increase in resistance by the effect of weather, without flow of current. Some field investigations were made on joints which failed in service and on several other joints which had developed dangerous high resistances. An extensive programme of joint testing was started and a method developed which would avoid the necessity of cutting out large numbers of joints, allowing them to be welded while in tension.

Grounding

The problem of grounding transmission and distribution systems in rural areas was studied using driven electrodes, and the resistances of more than 6,500 existing consumers' grounds were measured. Tests were commenced on standard ground rods, portions of which were galvanized, to determine the life of these rods in certain soils, and the advantages of galvanizing.

Miscellaneous Research

Studies and investigations also were carried out on a variety of other matters. Chemical tests were made on submarine cable, cooling pond water, wood fuel and a substitute for rubber. The study of soil mechanics was continued. The stress-strain characteristics of gasket materials was investigated, and development tests were made on a new type of gap for use in



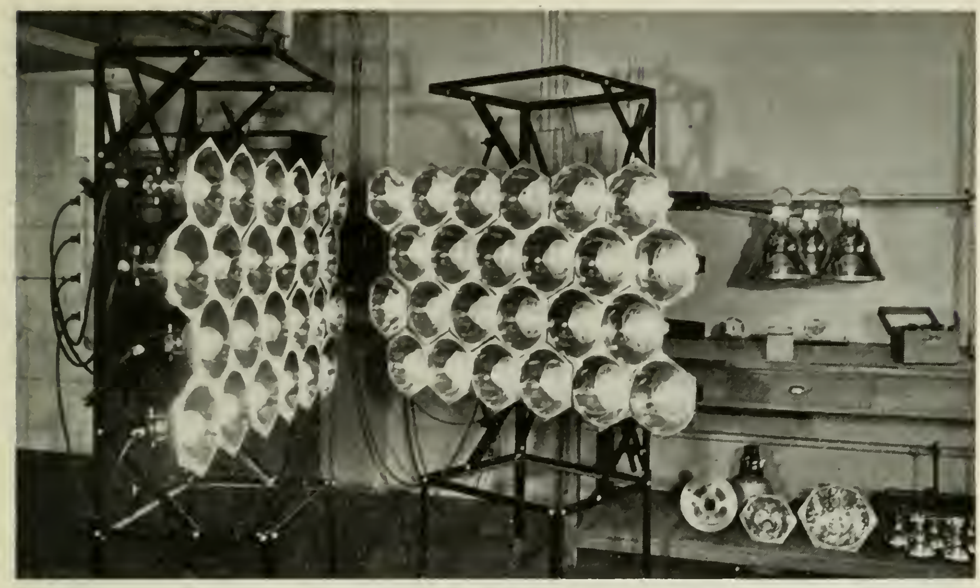
ROCKWELL HARDNESS TESTER
Used in determining the hardness of metals

place of lightning arresters. Power line interference with telephone circuits was given considerable attention and the determination of stress by photoelasticity was studied with a view to installing suitable test equipment in the Laboratories.

New Equipment

Several important items of testing equipment were developed and built at the Laboratories during 1940. These include a live-line vibration recorder for use on power line conductors, an electric strain gauge and calibrator to measure dynamic stresses in the individual wires of a vibrating cable, an instrument to provide a continuous record of cable displacement near the clamps during fatigue tests, and an inertia amplitude recorder, designed on the magnetic principle, for use on conductor vibration tests.

New instruments and other equipment purchased for use in testing include a radio beat-frequency oscillator and audio oscillator for vibration studies on cables, strobotac and strobolux instruments for observing the motion of vibrating and rotating bodies by the stroboscopic principle, a strip-chart recording wattmeter for use with continuous amplitude apparatus in vibration tests, a vibration generator for use on the third laboratory cable



DRYING BY INFRA-RED RADIATION

Banks of tungsten lamps with special gold-plated reflectors are arranged in ovens or tunnels and provide radiation for drying paints and textiles—a new method of applying heat for industrial purposes

At right, above the table and below, are some forms of reflectors for other drying tests

testing span, two fatigue testing machines for wire, a Rockwell tester for determining the harshness of metals, infra-red radiation equipment to study methods of drying paints and textiles, and a special low-temperature refrigerator for freezing and thawing tests on concrete and concrete aggregates. X-ray equipment also was purchased and is being installed for use in searching for internal defects in metal parts and various materials.

Specifications and Committee Work

Meetings and conventions of the following organizations were attended by members of the staff:—Canadian Engineering Standards Association, National Research Council, Canadian Electrical Association, Engineering Institute of Canada, American Institute of Electrical Engineers, American Concrete Institute, Portland Cement Association, American Society for Testing Materials, National Fire Protective Association, Radio Manufacturers Association, Niagara Peninsula Maintenance Association, The Ontario Municipal Electrical Union, and the Association of Municipal Electrical Utilities.

APPROVALS LABORATORY

Reference has already been made in the introductory paragraphs to the change in status of the Approvals Laboratory which has necessitated some change in the accounting system and a much closer contact with the staff of the Canadian Engineering Standards Association. The Approvals engineer attended most of the meetings of the administrative board of the Approvals division which are held monthly in Toronto, Ottawa or Montreal.

The inspection and approval of appliances and fittings has continued through the year. A total of 705 applications for approval were received, 366 special inspections were made and 4,123 reports were issued on factory inspection. The quantity of labels sold for cord, wire, cable, conduit, etc., showed an increase of 35 per cent over the previous year, the labels for conduit alone increased about 57 per cent, due to the increased activity in the building trades, in the erection of factories for munitions, hangars, barracks for the army and air force, and other war and housing requirements.

A total of 453 factory inspections of wiring materials was made and 842 reports were forwarded to manufacturers.

ELECTRICAL INSPECTION DEPARTMENT

This department handled the largest volume of work for any year since it was organized in 1915. The increase in number of inspections apparently was due to the accelerated industrial activity brought about by the war. New manufacturing, ordinance and aircraft plants, and other military projects, together with the construction resulting from the Commonwealth Air Training Plan, augmented the work of the department in inspection of both wiring installations and special equipment designed for war materials manufacture.

Statistical

A total of 119,271 permits was issued, about the same as last year, and 214,212 inspections were made, an increase of 2.8 per cent.

Fires Attributed to Electricity

Among the fires reported as caused through defective wiring and equipment, and investigated this year, twelve were found due to these conditions. The particular causes were, short circuits in armoured cable and fixture wire, loose connections at meters, oil-burner ignition equipment, and an electric iron left heating and unattended in a commercial establishment. While some of the other fires may have originated in electric wiring or equipment, the evidence available did not substantiate such a conclusion.

Electrocutions and Fatal Accidents

Five persons were electrocuted through coming into contact with electric wiring or equipment under the jurisdiction of this department. Two were children who touched brass lamp sockets that had been installed within reach of grounded material; two were electricians who attempted to work on live circuits before opening the disconnecting switches, and one was an electrician working on a dead circuit in too close proximity to live overhead conductors.

Ground Tests

A total of 3,798 ground resistance tests were made in isolated communities and rural districts.

Infractions of Regulations

Forty-two persons and companies were prosecuted for various infractions of the regulations governing the installation, sale and disposal of electric wiring and equipment.

H-E-P-C
288
TORONTO
5486C

NEW TRUCK FOR STATION MAINTENANCE AND LINE CONSTRUCTION

An all-steel body, with sliding roof to allow transportation of long bushings, etc. Accommodation for six men.

The Canadian Electrical Code

Members of the Laboratory and Electrical Inspection staffs attended thirty-three meetings and assisted in revision of sections of Parts I and II of the Code, and in compiling sections of Part IV.

There was nothing particularly active this year regarding Part I of the Code, on electrical installations, apart from applications for interim revisions being received. These were considered and necessary steps taken at the meeting of the central committee held in Toronto in September.

The work associated with Part II of the Code, which deals with the approval of specifications for electrical equipment, included compilation of material and preparation of preliminary drafts, attendance at meetings and preparation of minutes, revisions of drafts, and also a large amount of correspondence and frequent interviews with sub-committees and manufacturers.

Five specifications were issued by the Canadian Engineering Standards Association making a total of 53 specifications completed and issued to date. There are at present 35 specifications either in the process of being issued or in some earlier stage of preparation.

Active work was carried on in connection with Part IV of the Code which will establish standard instruments for measuring radio interference, set tolerable limits for interference and specify ways and means of reducing interference from electric circuits, apparatus and equipment to the limits specified. Government regulations now being drafted make this work more urgent and important than heretofore. The Laboratories have made measurements of radio interference of a large number of pieces of electrical equipment known to be a source of interference. Measurements of field strength adjacent to power lines also have been made. The results of these studies are now available to the Code authorities. A Specification covering construction, test and application of components of radio interference suppression devices has been advanced to second preliminary draft form, having been discussed with industry, inspection authorities and the Department of Transport at an autumn meeting held in Toronto.

PRODUCTION AND SERVICE DEPARTMENT

The operations of the Production and Service department were similar in nature to those of last year and, determined by the value of the work done, showed an increase of 13 per cent. Every effort was made to co-operate with other departments in the development of new tools, apparatus and equipment.

A total of 1,655 orders were completed by the machine and carpenter shops. The work of the garage included overhauling 72 trucks, reconditioning 15 items of gasoline driven equipment for the Construction department and completing 624 orders for miscellaneous truck repairs.

The systematic inspection of the Commission's fleet of 329 trucks was continued, it involved 1,294 individual inspections in the field.

Motor vehicles and other equipment purchased included 59 trucks, and 25 trailers. Of these trucks 39 were replacements and the remaining 20 were additions to the fleet. Winch and derrick equipment also was purchased for 11 trucks.

The fleet mileage was in excess of 3,500,000 miles which constitutes a progressive increase of approximately 1,000,000 miles or 32 per cent over that travelled four years ago.

The Truck Committee studied types of truck bodies used by other utilities, and concerted effort was made to improve the equipment and reduce the number of body types needed to meet requirements. Two types of all-steel truck bodies, equipped with compartment space suitably sub-divided to accommodate tools and equipment were purchased for experimental purposes.

PHOTOGRAPHY, PHOTOSTAT AND BLUE PRINTING

The photographic orders amounted to 741, slightly less than in the previous year, but both blueprint and photostat orders have shown marked increase. In blueprints, 7,190 orders were filled, requiring a total of 121,254 prints, an increase of 30 per cent. For photostat prints there were 607 orders, about 10 per cent more than last year, which indicates that the equipment installed about three years ago is being used to an increasing extent.

SECTION VIII

ELECTRIC RAILWAYS

THE HAMILTON STREET RAILWAY COMPANY

A Subsidiary of The Hydro-Electric Power Commission of Ontario—Niagara System

Gross earnings on the Hamilton Street Railway for the year 1940 increased 15.98 per cent. Operating expenses (including taxes) increased 20.09 per cent. The result was a decrease in net earnings of $6,776. The decrease in net earnings was due to increased operating expenses.

The balance sheet and income account are given at the end of Section IX.

Operating results are summarized and compared in the following tabulation and chart.

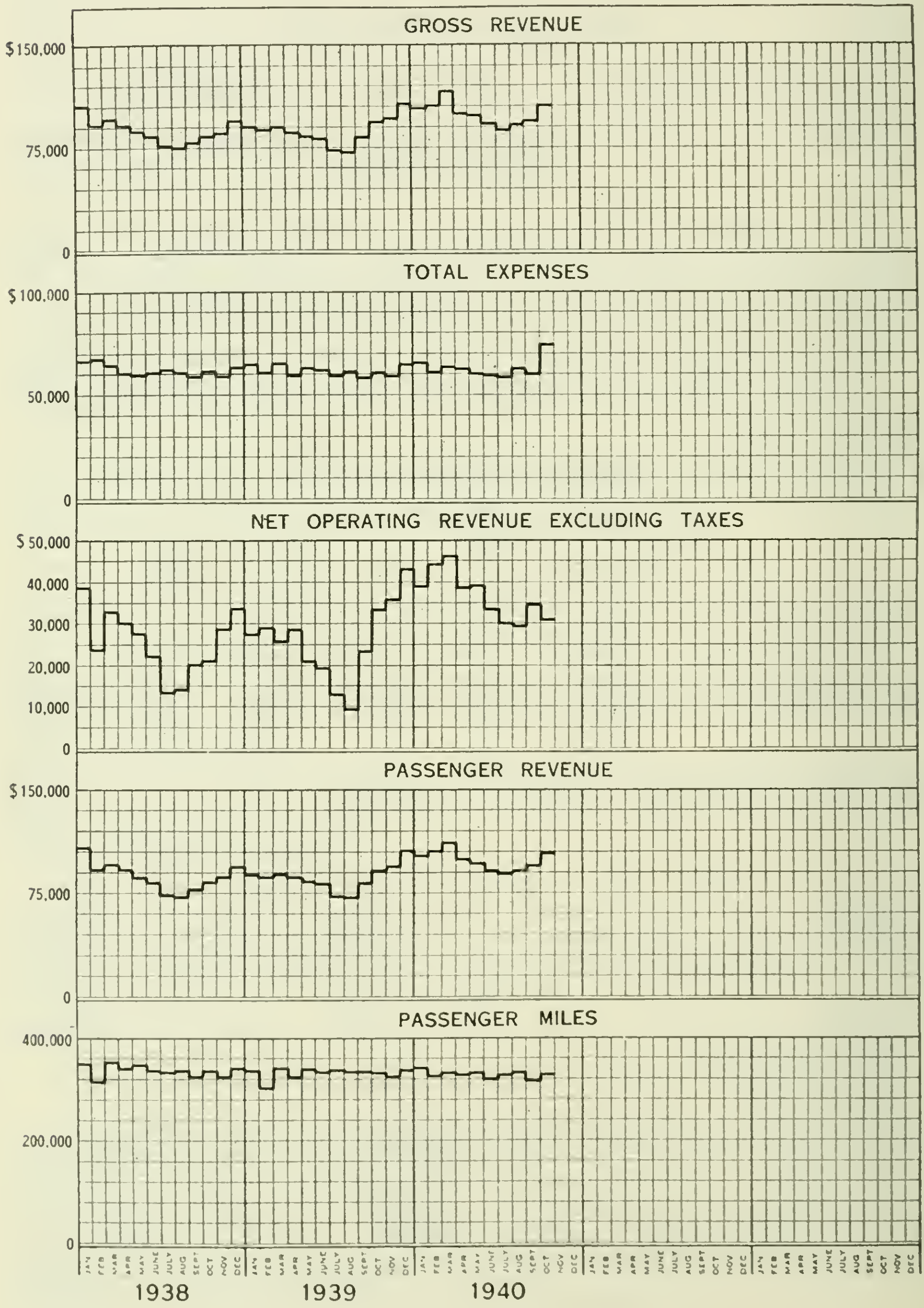
HAMILTON STREET RAILWAY

Comparative Operating Statistics

	1939			1940		
	Street-cars	Buses	Total	Street-cars	Buses	Total
	$	$	$	$	$	$
Operating revenues:						
Transportation	788,652	229,938	1,018,590	897,081	283,622	1,180,703
Other operations	9,094	674	9,768	11,363	641	12,004
Operating revenue	797,746	230,612	1,028,358	908,444	284,263	1,192,707
Operating expenses	661,465	190,376	851,841	808,290	214,676	1,022,966
Net revenue for year	136,281	40,236	176,517	100,154	69,587	169,741
Appropriation for dividend			177,228			177,228
Deficit for year			711			7,487

	1939	1940
Route-miles:		
Street-car	28.38	27.97
Bus	16.57	16.57
Total	44.95	44.54
Track-miles	42.62	42.62
Passenger cars operated:		
Passenger cars	70	68
Passenger buses	34	36
Car-miles operated:		
Passenger cars	2,562,074	2,463,090
Passenger buses	1,393,242	1,519,695
Car-hours operated:		
Passenger cars	272,149	262,885
Passenger buses	111,242	124,624
Passengers carried	19,027,851	21,806,817
Percentage of transfer passengers to revenue passengers	19.6%	18.9%

THE HAMILTON STREET RAILWAY COMPANY
OPERATING STATISTICS



SECTION IX

FINANCIAL STATEMENTS

Relating to

Properties Operated by The Hydro-Electric Power Commission in the Niagara, Georgian Bay, Eastern Ontario and Thunder Bay Systems on Behalf of Municipalities

and to

Northern Ontario Properties Held and Operated by the Commission in Trust for the Province of Ontario, and

The Hamilton Street Railway Company—A Subsidiary of Niagara System

IN this section of the Report financial statements relating to the activities of The Hydro-Electric Power Commission, segregated into certain distinct divisions, are presented. The first division relates to those activities on behalf of the co-operative municipalities, which are partners in the main "Hydro" undertaking comprising the Niagara, Georgian Bay, Eastern Ontario and Thunder Bay systems. The second relates to the administration of the Northern Ontario Properties which are held and operated by the Commission in trust for the Province of Ontario. The third relates to The Hamilton Street Railway Company, a subsidiary of the Niagara system.

Co-operative Systems

In the Foreword to this Report a brief reference is made to the basic principle governing the operations of the "Hydro" undertaking in supplying electrical service at cost, and to the *wholesale* and *retail* aspects of the work. A description is also given of the several systems into which the partner municipalities are co-ordinated for securing common action with respect to power supplies, through the medium of The Hydro-Electric Power Commission which, under The Power Commission Act, functions as their Trustee.

Although for the purpose of financial administration the various systems are separate units, there is a similarity of procedure with respect to their operation which enables certain financial statements, as for example the various reserves, to be co-ordinated and presented in summary tables.

The first set of tables in Section IX gives collective results for the co-operative activities related to the four systems. These tables include a **balance sheet; a statement of operation and cost distribution** as detailed in the "cost of power" tables referred to below; schedules respecting **fixed assets, capital expenditures and grants—rural power districts, power accounts receivable, funded debt issued or assumed, renewals reserves, contingencies and obsolescence reserves, stabilization of rates reserves, sinking fund reserves** and the **account with the Provincial Treasurer of the Province of Ontario.**

The tables which follow these general financial statements relate more particularly to the individual municipality's aspects of the wholesale activities of the Commission and for each system show the **cost of power** to the individual municipal utilities, the **credit or debit** adjustment that is made at the end of the fiscal year, and the **sinking fund** equity that has been acquired by the individual municipality. There is also included for each system a **rural operating** statement.

The charges for power supplied by the Commission to the various municipalities vary with the amounts of power used, the distances from the sources of supply and other factors. The entire capital cost of the various power developments and transmission systems is annually allocated to the connected municipalities and other wholesale power consumers, according to the relative use made of the lines and equipment. Each municipality assumes responsibility for that portion of property employed in providing and transmitting power for its use, together with such expenses—including the cost of purchased power if any—as are incidental to the provision and delivery of its wholesale power. The annual expenses and the appropriations for reserves are provided out of revenues collected in respect of such power, through the medium of power bills rendered by the Commission. The municipalities are billed at an estimated interim rate each month during the year and credit or debit adjustment is made at the end of the year,* when the Commission's books are closed and the actual cost payable by each municipality for power taken has been determined.

Included in the municipality's remittance to the Commission for the wholesale cost of power—besides such current expenses as those for operation and maintenance of plant, for administration, and for interest on capital—are sums required to build up reserves for sinking fund, for renewals, for contingencies and obsolescence, and for stabilization of rates. The first-mentioned reserve, namely, sinking fund, is being created on a 40-year basis for the purpose of liquidating capital liabilities. The other reserves are, respectively, being created to provide funds for the replacing or rebuilding of plant as it wears out, to enable the undertaking to replace existing equipment with improved equipment as it becomes available through advances in science and invention, and to meet unforeseen expenses which from time to time may arise.

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*The financial year for the Commission ends on October 31. The financial year for the municipal electric utilities, however, ends on December 31, and the municipal accounts are made up to this date, and so recorded in Section X.

The ultimate source of all revenue to meet costs—whether for the larger operations of The Hydro-Electric Power Commission or for the smaller local operations of the municipalities—is, of course, the consumer. Out of the total revenue collected by each municipal utility from its consumers for service supplied, only an amount sufficient to pay the wholesale cost of power supplied by the Commission as outlined above is remitted to the Commission; the balance of municipal electrical revenue is retained to pay for the expense incurred by the local utility in distributing the electrical energy to its consumers.

Tabular Data

The following comments relate to the tabular data presented:

Balance Sheet.—The first tabular statement given in Section IX is a balance sheet showing the assets, and the liabilities of the several co-operative systems.

Statement of Operation and Cost Distributions.—This statement is a summary of operating expenses and fixed charges as shown in the "cost of power" tables relating to the individual systems as referred to more particularly below.

Fixed Assets.—Details are given concerning the various fixed assets of each system and of the miscellaneous properties, whilst similar details are shown of the capital expenditures for the year ended October 31, 1940.

Capital Expenditures and Grants—Rural Power Districts.—This schedule gives summary information respecting the total capital expenditures on rural power districts and grants-in-aid of construction paid or payable by the Province with respect to such rural districts.

Power Accounts Receivable.—This schedule sets forth the amounts collectable from all classes of power consumers and includes the annual adjustment figures from the "credit or charge" statements for municipalities. The main details of those debit balances three months or more overdue are stated.

Funded Debt Issued or Assumed.—This schedule presents a complete list of the securities issued or assumed by the Commission on account of the several systems, and the Northern Ontario Properties. It should be noted that where securities have been issued to finance properties operated for others, this liability is only shown in memorandum form on the balance sheet of the Commission, whilst the direct liability is shown on the balance sheets of the Northern Ontario Properties.

Renewals Reserves,
Contingencies and Obsolescence Reserves, and
Stabilization of Rates Reserves.

These schedules show the provisions made to, the expenditures from, and the balance to the credit of, these reserves for each of the systems and other properties included in the power undertakings operated on a cost basis.

Sinking Fund Reserves.—This schedule summarizes the appropriation of principal and interest with respect to these reserves for each of the systems and certain other properties.

Account with the Provincial Treasurer.—This schedule lists, both for the Niagara and other systems operated on a cost basis, and for the Northern Ontario Properties which are held and operated by the Commission in trust for the Province, the advances from the Province of Ontario and the repayments which have been applied to reduce this liability. It should be noted that Provincial advances to finance Northern Ontario Properties are shown in memorandum form only on the balance sheet of the Commission as the direct liability is carried on the Northern Ontario Properties' balance sheet.

Following these statements, which are common to all systems, there are given for each of the individual co-operative systems four tabular statements as follows:

Cost of Power statement, which shows the apportionment to each municipality of the items of cost summarized in the operating account, as well as the apportionment of fixed assets in service listed in the balance sheet and the amount of power taken by each municipality. It should be noted that the cost of power given in this table is the wholesale cost—that is, the cost which the Commission receives for the power delivered from the main transformer stations serving the local utility. In the case of municipal electrical utilities not directly administered by the Commission, the respective costs of power appear in Statement "B" of Section X as "power purchased".

Credit or Charge statement, which shows the adjustments made in order to bring the amounts paid by each municipal electric utility to the actual cost of service. The credits and charges for the municipal electric utilities are taken up and given effect to in the accounts of "Hydro" utilities.

Sinking Fund statement, which gives the accumulated total of the amounts paid by each municipality as part of the cost of power together with its proportionate share of other sinking funds.

Rural Operating statement, which summarizes for the rural power districts of the system the various items of cost, and the revenues received, in connection with the distribution of electrical energy to rural consumers.

Northern Ontario Properties

The statements and schedules respecting these properties which are held and operated by the Commission in trust for the Province of Ontario include the balance sheet, operating and income accounts, schedules of fixed assets, renewals reserves, contingencies and obsolescence reserves, and sinking fund reserves. These schedules are similar in form to the corresponding schedules relating to the co-operative systems.

The Hamilton Street Railway Company

This is a subsidiary of the Niagara system of the Commission. A balance sheet and operating and income account are presented.

Municipal Utilities

All municipal "Hydro" utilities have current expenses to meet similar to the expenses of the Commission and have adopted the same financial procedure with respect to their operations. In other words, concurrently with the creation of funds to liquidate their debt to the Commission and to provide the necessary reserves to protect generating, transforming and transmission systems, the municipalities are taking similar action with respect to their local "Hydro" utility systems.

The balance sheets, operating reports and statistical data appearing in Section X, under the heading of "Municipal Accounts", relate to the operation of local distribution systems by individual municipalities which have contracted with the Commission for their supply of electrical energy. To this section there is an explanatory introduction to which the reader is specially referred.

Auditing of Accounts

The accounts of The Hydro-Electric Power Commission of Ontario are verified by auditors specially appointed by the Provincial Government. The accounts of the "Hydro" utility of each individual municipality are prepared according to approved and standard practice and The Public Utilities Act requires that they shall be audited by the auditors of the municipal corporation.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

FINANCIAL ACCOUNTS

For the Year Ended October 31, 1940

Relating to Properties operated on a "Cost Basis" for the Co-operating Municipalities and Rural Power Districts which are supplied with Electrical Power and Services from the following Properties:

Niagara System
Georgian Bay System
Eastern Ontario System
Thunder Bay System
Service and Administrative Buildings and Equipment

STATEMENTS

Balance Sheet as at October 31, 1940

Statements of Operations and Cost of Power for the Year ended October 31, 1940.

Schedules supporting the Balance Sheet as at October 31, 1940:

- Fixed Assets—By Systems and Properties
- Capital Expenditures and Grants—Rural Power Districts
- Power Accounts Receivable
- Funded Debt Issued or Assumed
- Renewals Reserves
- Contingencies and Obsolescence Reserves
- Stabilization of Rates Reserves
- Sinking Fund Reserves
- Account with the Provincial Treasurer of the Province of Ontario

Statements for Municipalities Receiving Power under Cost Contracts

THE HYDRO-ELECTRIC POWER

BALANCE SHEET AS AT OCTOBER 31, 1940, IN

Niagara System Georgian Bay System

ASSETS

FIXED ASSETS:			
Niagara system		$231,576,095.73	
Georgian Bay system		14,817,133.07	
Eastern Ontario system		28,718,141.94	
Thunder Bay system		20,243,664.69	
Service and administrative buildings and equipment		4,036,390.35	
		$299,391,425.78	
Less: Grants-in-aid of construction:			
Province of Ontario—for rural power districts		17,851,928.30	$281,539 497.48
INVESTMENTS:			
The Hamilton Street Railway Company—Capital stock		$ 3,000,000.00	
City of Toronto debentures (Toronto and York Radial)—Collateral		2,375,000.00	
Other investments		214,320.50	5,589,320.50
CURRENT ASSETS:			
Cash in banks		$ 854,599.68	
Employees' working funds		71,199.89	
Sundry accounts receivable		842,407.68	
Power accounts receivable		4,355,791.62	
Hamilton Street Railway Company—Current account		27,112.86	
Interest accrued		652,742.57	
Consumers' and contractors' deposits:			
Cash deposits	$ 36,238.75		
Securities—at par value	579,449.19		
		615,687.94	
Prepayments		107,176.71	7,526,718.95
INVENTORIES:			
Construction and maintenance materials and supplies		$ 2,451,634.03	
Construction and maintenance tools and equipment		1,043,865.74	
Office equipment		100,474.78	3,595,974.55
DEFERRED ASSETS:			
Agreements and mortgages		$ 2,030,006.64	
Rural district loans		110,941.74	
Work in progress—deferred work orders		213,976.48	2,354 924.86
UNAMORTIZED DISCOUNT ON DEBENTURES			344,286.07
RESERVE FUNDS:			
Investments—Specific reserves		$ 46,850 208.04	
Employers' Liability Insurance Fund:			
Investments	$1,046,338.27		
Deposits with the Workmen's Compensation Board	32,368.37		
		1,078,706.64	
Pension Fund, investments		6,538,076.26	54,466,990.94
SINKING FUNDS:			
Investments		$ 317,139.14	
Deposits in the hands of trustees—including temporary investments		586,697.78	903,836.92
			$356,321,550.27

COMMISSION OF ONTARIO

WHICH THE FOLLOWING PROPERTIES ARE INCLUDED:

Eastern Ontario System Thunder Bay System

LIABILITIES AND RESERVES

LONG TERM LIABILITIES:			
Funded Debt issued or assumed		$110,158,667.42	
Less—Debentures issued to finance Northern Ontario Properties		29,560,000.00	
		$ 80,598,667.42	
Advances from the Province of Ontario	$144,807,085.14		
Less—Advances for Northern Ontario Properties	6,105,693.40		
		138,701,391.74	
Purchase Agreements:			
Thunder Bay system transmission lines		128,548.86	
			$219,428,608.02
CURRENT LIABILITIES:			
Accounts and payrolls payable		$ 1,841,276.72	
Power accounts—credit balances		40,698.60	
Northern Ontario Properties—Current account		1,742,010.12	
Advances from the Province of Ontario for rural loans		112,347.01	
Consumers' and contractors' deposits		651,117.63	
Debenture interest accrued		878,634.20	
Miscellaneous interest accrued		4,284.97	
Miscellaneous accruals		33,670.77	
Rural power districts grants—not allocated		86,210.06	
			5,390,250.08
RURAL POWER DISTRICTS—Rates suspense, net			1,336,521.54
UNAMORTIZED PREMIUM ON DEBENTURES			84,174.85
RESERVES:			
Renewals	$ 46,699,671.53		
Contingencies and obsolescence	8,797,977.53		
Stabilization of rates	9,115,870.54		
Fire insurance	88,936.24		
Investment—subsidiary	108,702.20		
		$ 64,811 158.04	
Employers' liability insurance		1,082,839.65	
Pension fund		6,626,542.35	
Miscellaneous		383 250.87	
			72,903,790.91
SINKING FUND RESERVE:			
Represented by:			
Funded debt retired through sinking funds		$ 23,933,209.46	
Provincial advances retired through sinking funds		30,840,592.50	
Available balance		2,404,402.91	
			57,178,204.87
			$356,321,550.27

Auditors' Certificate

We have examined the Accounts of The Hydro-Electric Power Commission of Ontario for the year ended the 31st October, 1940, and report that, in our opinion, the above Balance Sheet is properly drawn up so as to exhibit a true and correct view of the state of the Commission's affairs at the 31st of October, 1940, according to the best of our information and the explanations given to us, and as shown by the books and records of the Commission. We have obtained all the information and explanations we have required.

OSCAR HUDSON AND CO.,
Chartered Accountants,
Auditors.

Dated at Toronto, Ontario,
31st March, 1941.

THE HYDRO-ELECTRIC POWER

Statement of Operations and Cost of Power for

System and property	Cost of power purchased	Operating maintenance and administrative expenses	Interest	Provision for renewals	Provision for contingencies and obsolescence
NIAGARA SYSTEM:	$ c.	$ c.	$ c.	$ c.	$ c.
Municipalities	5,174,102.01	2,802,849.44	7,002,428.43	1,067,844.83	460,000.35
Rural power districts	324,644.01	263,546.96	536,016.97	99,282.44	37,514.32
Companies	1,743,571.57	980,563.53	1,927,206.16	258,328.18	148,910.12
Local distribut'n systems	27,059.36	59,045.37	47,359.24	10,765.10	4,993.87
Total	7,269,376.95	4,106,005.30	9,513,010.80	1,436,220.55	651,418.66
GEORGIAN BAY SYSTEM:					
Municipalities	65,525.67	297,465.21	333,644.61	86,933.05	26,605.62
Rural power districts	18,288.50	69,666.89	85,170.38	23,391.77	6,846.61
Companies	3,327.61	12,781.02	15,829.09	4,161.24	1,273.71
Local distribut'n systems	1,379.82	13,108.65	11,613.27	3,844.18	1,518.02
Total	88,521.60	393,021.77	446,257.35	118,330.24	36,243.96
EASTERN ONTARIO SYSTEM:					
Municipalities	775,429.23	506,600.00	639,181.64	149,060.51	47,893.70
Rural power districts	90,533.21	70,574.18	93,552.39	24,417.75	7,320.94
Companies	159,029.33	120,042.58	172,701.46	41,810.20	21,339.34
Local distribut'n systems	2,372.51	7,252.77	4,088.80	1,248.29	215.81
Pulp mill	5,268.28	3,627.74	5,517.39	1,050.59	404.37
Total	1,032,632.56	708,097.27	915,041.68	217,587.34	77,174.16
THUNDER BAY SYSTEM:					
Municipalities	....	174,131.21	559,622.33	101,694.90	53,861.26
Rural power districts	....	1,668.95	6,285.42	1,317.83	612.31
Companies	....	88,390.83	238,758.99	40,664.24	33,939.32
Mining area—Mines	....	57,758.21	143,174.79	15,572.80	83,120.52
Mining area—Townsites	....	11,829.25	12,379.24	814.01	12,740.45
Total	....	333,778.45	960,220.77	160,063.78	184,273.86
COST OF DISTRIBUTION OF POWER WITHIN R.P.D.'S:					
Niagara system R.P.D.	*1,413,431.89	776,828.50	508,073.34	216,388.78	....
Georgian Bay sys. R.P.D.	*247,772.18	144,388.77	113,474.64	45,957.27	....
Eastern Ontario system R.P.D.	*349,536.37	247,514.27	184,609.33	77,107.77	....
Thunder Bay sys. R.P.D.	*11,913.22	11,018.40	9,118.08	3,754.96	....
Total	*2,022,653.66	1,179,749.94	815,275.39	343,208.78	....
RURAL LINES OPERATED BY MUNICIPALITIES:					
Niagara rural lines	....	....	845.80	401.17	200.59
Georgian Bay rural lines	....	....	48.22	18.44	9.22
Total	....	....	894.02	419.61	209.81
Total for all systems	10,413,184.77	6,720,652.73	12,650,700.01	2,275,830.30	949,320.45
R.P.D.'s eliminations	*(2,022,653.66)	....	....	....	....
Net total for all systems	8,390,531.11	6,720,652.73	12,650,700.01	2,275,830.30	949,320.45
GRAND SUMMARY:					
Niagara system	7,269,376.95	4,882,833.80	10,021,929.94	1,653,010.50	651,619.25
Georgian Bay system	88,521.60	537,410.54	559,780.21	164,305.95	36,253.18
Eastern Ontario system	1,032,632.56	955,611.54	1,099,651.01	294,695.11	77,174.16
Thunder Bay system	....	344,796.85	969,338.85	163,818.74	184,273.86
	8,390,531.11	6,720,652.73	12,650,700.01	2,275,830.30	949,320.45

COMMISSION OF ONTARIO

Each System for the Year ended October 31, 1940

Provision for stabilization of rates	Provision for sinking fund	Operating balance in respect of power sold to private companies	Total cost	Amount received from (or billed against) municipalities and other customers	Amounts remaining to be credited or charged to municipalities	
					Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
993,045.70	1,584,815.14	(498,264.03)	18,586,821.87	18,804,593.69	331,040.42	113,268.60
62,507.42	121,282.83	(31,363.06)	*1,413,431.89	*1,413,431.89	....	....
1,432,168 38	432,384.98	514,427.14	7,437,560.06	7,437,560.06	....	....
....	10,715.84	15,199.95	175,138.73	175,138.73	....	....
2,487,721.50	2,149,198.79	....	27,612,952.55	27,830,724.37	331,040.42	113,268.60
111,968.40	73,735.33	(4,769.01)	991,108.88	1,027,259.32	40,135.88	3,985.44
26,732.00	18,814.61	(1,138.58)	*247,772.18	*247,772.18	....	....
29,106.42	3,496.73	5,651.00	75,626.82	75,626.82	....	....
....	2,565.43	256.59	34,285.96	34,285.96	....	....
167,806.82	98,612.10	....	1,348,793.84	1,384,944.28	40,135.88	3,985.44
345,207.60	142,321.50	(37,952.25)	2,567,741.93	2,640,783.11	88,879.10	15,837.92
47,538.00	20,826.25	(5,226.35)	*349,536.37	*349,536.37	....	....
4,907.77	37,459.02	37,844.81	595,134.51	595,134.51	....	....
....	910.24	4,512.02	20,600.44	20,600.44	....	....
....	1,228.26	821.77	17,918.40	17,918.40	....	....
397,653.37	202,745.27	....	3,550,931.65	3,623,972.83	88,879.10	15,837.92
39,170.70	121,358.97	37,651.78	1,087,491.15	1,097,966.25	11,376.11	901.01
339.53	1,362.82	326.36	*11,913.22	*11,913.22	....	....
....	50,286.00	(37,978.14)	414,061.24	414,061.24	....	....
78,575.88	21,755.05	....	399,957.25	399,957.25	....	....
7,136.57	1,137.16	....	46,036.68	46,036.68	....	....
125,222.68	195,900.00	....	1,959,459.54	1,969,934.64	11,376.11	901.01
....	114,960.11	....	3,029,682.62	3,148,060.18	118,377.56	....
....	25,067.17	....	576,660.03	522,873.55	....	53,786.48
....	41,097.09	....	899,864.83	905,800.06	5,935.23	....
....	1,976.99	....	37,781.65	33,978.56	....	3,803.09
....	183,101.36	....	4,543,989.13	4,610,712.35	124,312.79	57,589.57
....	361.05	....	1,808.61	1,808.61	....	....
....	16.60	....	92.48	92.48	....	....
....	377.65	....	1,901.09	1,901.09	....	....
3,178,404.37	2,829,935.17	....	39,018,027.80	39,422,189.56	595,744.30	191,582.54
....	....	....	*(2,022,653.66)	*(2,022,653.66)	....	....
3,178,404.37	2,829,935.17	....	36,995,374.14	37,399,535.90	595,744.30	191,582.54
2,487,721.50	2,264,519.95	....	29,231,011.89	29,567,161.27	449,417.98	113,268.60
167,806.82	123,695.87	....	1,677,774.17	1,660,138.13	40,135.88	57,771.92
397,653.37	243,842.36	....	4,101,260.11	4,180,236.52	94,814.33	15,837.92
125,222.68	197,876.99	....	1,985,327.97	1,991,999.98	11,376.11	4,704.10
3,178,404.37	2,829,935.17	....	36,995,374.14	37,399,535.90	595,744.30	191,582.54

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
Fixed Assets—October 31, 1940
NIAGARA SYSTEM

Property	Net capital expenditures in the year	Fixed Assets				
		Under construction	In service			Total
			Water rights and intangible items	Physical property		
				Non-renewable	Renewable	
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Power Plants:						
Niagara river:						
Queenston-Chippawa	83,623.66	86,107.12	....	47,944,347.90	28,901,430.63	76,931,885.65
Ontario Power	14,809.33	....	7,281,151.42	....	14,923,982.51	22,205,133.93
Toronto Power	*1,764.76*	943.42	3,823,491.60	....	7,690,611.25	11,515,046.27
Ottawa river:						
Chats Falls	7,552.45	2,366.38	....	811,950.41	6,300,618.76	7,114,935.55
Welland canal:						
DeCew Falls	*16,905.58*	14.39	8,144,649.56	165,875.13	3,362,615.91	11,673,154.99
Hamilton steam plant	....	....	....	502,390.58	....	502,390.58
Preliminary river surveys	....	....	819,836.09	....	....	819,836.09
	87,315.10	89,431.31	20,069,128.67	49,424,564.02	61,179,259.06	130,762,383.06
Transformer Stations:						
Southern Ontario	2,028,751.50	621,997.83	....	330,487.38	29,164,389.52	30,116,874.73
Eastern—Chats Falls	310,731.48	341,102.83	....	....	10,194,063.06	10,535,165.89
	2,339,482.98	963,100.66	....	330,487.38	39,358,452.58	40,652,040.62
Transmission Lines:						
Southern Ontario:						
Right-of-way	339,793.06	....	....	7,348,403.18	....	7,348,403.18
Lines	587,689.88	259,316.85	....	18,227.76	18,852,490.03	19,130,034.64
Eastern—Chats Falls:						
Right-of-way	*1,983.75*	....	....	1,641,463.05	....	1,641,463.05
Lines	1,704,765.36	1,719,400.44	....	....	7,486,608.30	9,206,008.74
	2,630,264.55	1,978,717.29	....	9,008,093.99	26,339,098.33	37,325,909.61
Local Systems:						
Niagara peninsula and Dundas area	52,527.06	46,829.22	....	....	263,695.82	310,525.04
Lincoln Electric:						
St. Catharines system	*187,327.61*	....	....	....	....	....
	134,800.55	46,829.22	....	....	263,695.82	310,525.04
Sub-total	4,922,262.08	3,078,078.48	20,069,128.67	58,763,145.39	127,140,505.79	209,050,858.33
Rural Power Districts:						
H-E.P.C. investment	680,235.04	66,482.96	....	....	11,237,068.94	11,303,551.90
Government grants	672,924.51	66,445.95	....	....	11,135,181.13	11,201,627.08
	1,353,159.55	132,928.91	....	....	22,372,250.07	22,505,178.98
Rural Lines:						
Welland and Milton	....	....	....	....	20,058.42	20,058.42
	6,275,421.63	3,211,007.39	20,069,128.67	58,763,145.39	149,532,814.28	231,576,095.73

	Cost statements	Transfers for cost purposes	Fixed assets as above
	$ c.	$ c.	$ c.
Cost of Power schedules	208,990,055.72	60,802.61	209,050,858.33
Rural Operating schedules	11,364,354.51	*60,802.61*	11,303,551.90
Rural Lines schedules	20,058.42	....	20,058.42

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
Fixed Assets—October 31, 1940
GEORGIAN BAY SYSTEM

Property	Net capital expenditures in the year	Fixed Assets				
		Under construction	In service			Total
			Water rights and intangible items	Physical Property		
				Non-renewable	Renewable	
Power Plants:	$ c.	$ c.	$ c.	$ c.	$ c	$ c.
Musquash river:						
Bala No. 1 and No. 2 plants..	*5,029.96*	578.66	68,658.43	1,810.00	45,002.08	116,049.17
Ragged Rapids............	18,051.02	43.87	....	67,478.18	1,228,988.71	1,296,510.76
Big Eddy development......	113,354.59	113,354.59	....	....	....	113,354.59
Lands and water rights: (Ragged Rapids, Big Eddy, Sandy Grey and Go Home developments)............	....	....	30,600.78	17,224.03	....	47,824.81
Severn river:						
Wasdells..................	110.70	....	15,302.32	....	133,251.09	148,553.41
Big Chute.................	13,721.17	....	122,540.48	....	563,121.54	685,662.02
Preliminary surveys.........	....	....	4,107.56	....	....	4,107.56
Beaver river:						
Eugenia..................	31,994.78	2,487.10	6,598.51	142,381.92	1,139,009.23	1,290,476.76
Saugeen river:						
Hanover..................	*31,932.55*	....	....	10,000.00	....	10,000.00
Walkerton................	1,326.36	....	97,721.83	....	116,098.45	213,820.28
Southampton..............	*5,395.17*	....	132,488.58	....	....	132,488.58
Muskoka river:						
South Falls...............	*11,726.09*	50.88	17,365.93	....	435,730.71	453,147.52
Trethewey Falls...........	154.25	....	42,565.75	8,983.70	306,071.43	357,620.88
Hanna Chute..............	164.16	....	....	34,756.73	208,106.65	242,863.38
Hollow Lake dam..........	....	....	....	16,569.79	29,540.16	46,109.95
Preliminary surveys.........	....	....	14,912.93	....	....	14,912.93
Sauble river:						
Lands and rights...........	534.37	534.37	4,200.00	....	....	4,734.37
Gull river:						
Lands and rights...........	....	....	5,859.20	....	....	5,859.20
	125,327.63	117,049.47	562,922.30	299,204.35	4,204,920.05	5,184,096.17
Transformer Stations..........	346,067.22	5,089.84	....	....	1,800,174.52	1,805,264.36
Transmission Lines............	30,615.70	58,894.69	....	....	2,712,132.86	2,771,027.55
Local Systems................	2,679.63	19.35	....	....	98,826.06	98,845.41
Sub-total................	504,690.18	181,053.35	562,922.30	299,204.35	8,816,053.49	9,859,233.49
Rural Power Districts:						
H-E.P.C. investment........	282,853.21	376.49	....	....	2,559,220.16	2,559,596.65
Government grants.........	258,426.55	376.50	....	....	2,397,004.41	2,397,380.91
	541,279.76	752.99	....	....	4,956,224.57	4,956,977.56
Rural Lines:						
Brechin..................	*1,915.15*	....	....	....	922.02	922.02
	1,044,054.79	181,806.34	562,922.30	299,204.35	13,773,200.08	14,817,133.07

	Cost statements	Transfers for cost purposes	Fixed assets as above
-	$ c.	$ c.	$ c.
Cost of Power schedules..	9,840,801.18	18,432.31	9,859,233.49
Rural Operating schedules..	2,578,028.96	*18,432.31*	2,559,596.65
Rural Lines schedules..	922.02	....	922.02

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
Fixed Assets—October 31, 1940
EASTERN ONTARIO SYSTEM

Property	Net capital expenditures in the year	Fixed Assets				
		Under construction	In service			Total
			Water rights and intangible items	Physical property		
				Non-renewable	Renewable	
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Power Plants:						
Fenelon river:						
Fenelon Falls	1,408.18	1,373.37	60,000.00	....	84,435.54	145,808.91
Otonabee river:						
Auburn	1,352.39	215.77	31,400.00	....	290,679.15	322,294.92
Douro	....	....	....	....	68,478.30	68,478.30
Lakefield	1,168.64	1,168.64	15,054.96	4,565.09	217,659.86	238,448.55
Young's Point	....	....	1,978.09	752.72	7,813.69	10,544.50
Trent river:						
Heely Falls	1,823.89	....	....	....	1,190,356.12	1,190,356.12
Seymour	2,314.38	652.73	....	....	304,101.73	304,754.46
Ranney Falls	1,811.96	....	....	....	1,344,642.84	1,344,642.84
Ranney Falls No. 3	*16.48*	....	....	18,596.20	54,489.18	73,085.38
Crow river	....	....	1,000.00	....	....	1,000.00
Hagues Reach	*23.33*	....	....	....	574,302.26	574,302.26
Meyersburg	818.39	....	....	....	838,665.83	838,665.83
Sills Island	*554.07*	1,400.21	....	38,679.36	241,011.37	281,090.94
Frankford	1.90	....	....	....	252,774.82	252,774.82
Sydney	186.65	191.41	....	....	251,887.69	252,079.10
Deer river:						
Cordova Power site	*10.00*	....	2,224.69	....	....	2,224.69
Gull river:						
Norland and Elliot Chute site	....	....	17,577.60	....	....	17,577.60
Mississippi river:						
High Falls	105.35	....	....	13,113.84	686,697.40	699,811.24
Carleton Place	....	....	....	9,929.06	47,847.10	57,776.16
Galetta	....	....	....	20,000.00	128,118.21	148,118.21
Ragged Chutes, Playfair and Appleton sites	447.43	....	52,845.88	....	....	52,845.88
Rosebank and Blakeney sites	....	....	23,321.18	....	....	23,321.18
Pakenham	16.06	....	....	999.81	....	999.81
Surveys	....	....	10,594.39	....	....	10,594.39
Madawaska river:						
Barrett Chute development	36,392.52	36,392.52	....	....	....	36,392.52
Calabogie	*268.48*	....	....	80,825.74	677,537.95	758,363.69
Storage dams	1.00	....	2,001.00	555.00	16,075.18	18,631.18
Undeveloped sites	....	....	650,000.00	....	....	650,000.00
Preliminary river surveys	....	....	132,224.23	....	....	132,224.23
Miscellaneous	2,953.39	1,095.28	....	....	49,313.32	50,408.60
Intangible	....	....	2,217,761.29	....	....	2,217,761.29
	49,929.77	42,489.93	3,217,983.31	188,016.82	7,326,887.54	10,775,377.60
Transformer Stations	631,279.95	347,578.93	....	76,441.68	3,318,643.68	3,742,664.29
Transmission Lines	855,980.06	56,949.44	....	394,639.61	5,611,593.94	6,063,182.99
Local Electric Systems	907.96	....	703.00	....	27,551.20	28,254.20
Campbellford Pulp Mill	*52,559.93*	....	....	....	....	....
Sub-total	1,485,537.81	447,018.30	3,218,686.31	659,098.11	16,284,676.36	20,609,479.08
Rural Power Districts:						
H-E.P.C. investment	449,195.81	854.74	....	....	4,078,985.38	4,079,840.12
Government grants	446,452.53	825.62	....	....	4,027,997.12	4,028,822.74
	895,648.34	1,680.36	....	....	8,106,982.50	8,108,662.86
	2,381,186.15	448,698.66	3,218,686.31	659,098.11	24,391,658.86	28,718,141.94

	Cost statements	Transfers for cost purposes	Fixed assets as above
	$ c.	$ c.	$ c.
Cost of Power schedules	20,572,653.56	36,825.52	20,609,479.08
Rural Operating schedules	4,116,665.64	*36,825.52*	4,079,840.12

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Fixed Assets—October 31, 1940

THUNDER BAY SYSTEM

Property	Net capital expenditures in the year	Fixed Assets				
		Under construction	In service			Total
			Water rights and intangible items	Physical property		
				Non-renewable	Renewable	
Power Plants:	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Nipigon river:						
Cameron Falls	4,755.14	....	....	236,600.51	8,965,337.77	9,201,938.28
Alexander	*3,811.74*	....	....	76,898.44	5,369,755.88	5,446,654.32
Virgin Falls dam	....	....	....	55,450.41	426,736.74	482,187.15
Deficit, 1921-1923	....	....	620,818.33	....	....	620,818.33
Preliminary surveys	....	....	30,242.35	....	....	30,242.35
	943.40	....	651,060.68	368,949.36	14,761,830.39	15,781,840.43
Transformer Stations	20,904.68	2,219.33	....	359,567.06	887,306.73	1,249,093.12
Transmission Lines	*295.75*	1,143.69	....	961,667.57	1,722,659.43	2,685,470.69
Local Systems	7,280.97	1,491.32	....	77,573.99	....	79,065.31
Sub-total	28,833.30	4,854.34	651,060.68	1,767,757.98	17,371,796.55	19,795,469.55
Rural Power Districts:						
H-E.P.C. investments	54,885.87	....	....	....	224,097.57	224,097.57
Government grants	54,885.87	....	....	....	224,097.57	224,097.57
	109,771.74	....	....	....	448,195.14	448,195.14
	138,605.04	4,854.34	651,060.68	1,767,757.98	17,819,991.69	20,243,664.69

	Cost statements	Fixed assets as above
	$ c.	$ c.
Cost of Power schedules	19,795,469.55	19,795,469.55
Rural Operating schedules	224,097.57	224,097.57

ADMINISTRATIVE AND SERVICE BUILDINGS AND EQUIPMENT

Property	Net capital expenditures in the year	Fixed Assets				
		Under construction	In service			Total
			Water rights and intangible items	Physical property		
				Non-renewable	Renewable	
Administrative Building:	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Toronto:						
University Avenue	757,957.61	740,470.35	....	257,915.52	1,481,924.51	2,480,310.38
Elm and Centre Streets	....	....	....	....	160,821.95	160,821.95
	757,957.61	740,470.35	....	257,915.52	1,642,746.46	2,641,132.33
Service Buildings and Equipment:						
Toronto:						
Strachan Avenue	7,805.53	....	....	....	547,083.90	547,083.90
1379 Bloor Street West	3,540.83	....	....	....	76,104.04	76,104.04
Cobourg	....	....	....	....	22,070.08	22,070.08
Hamilton	....	....	....	750,000.00	....	750,000.00
	11,346.36	....	....	750,000.00	645,258.02	1,395,258.02
	769,303.97	740,470.35	....	1,007,915.52	2,288,004.48	4,036,390.35

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Fixed Assets—October 31, 1940

SUMMARY

System or Property	Net capital expenditures in the year	Fixed Assets				
		Under construction	In service			Total
			Water rights and intangible items	Physical property		
				Non-renewable	Renewable	
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Niagara system	6,275,421.63	3,211,007.39	20,069,128.67	58,763,145.39	149,532,814.28	231,576,095.73
Georgian Bay system	1,044,054.79	181,806.34	562,922.30	299,204.35	13,773,200.08	14,817,133.07
Eastern Ontario system	2,381,186.15	448,698.66	3,218,686.31	659,098.11	24,391,658.86	28,718,141.94
Thunder Bay system	138,605.04	4,854.34	651,060.68	1,767,757.98	17,819,991.69	20,243,664.69
Service and administrative buildings and equipment	769,303.97	740,470.35		1,007,915.52	2,288,004.48	4,036,390.35
Non-system properties:						
Bonnechere River storage	(51,741.88)					
Transferred to Northern Ontario Properties	(362,578.60)					
	10,194,251.10	4,586,837.08	24,501,797.96	62,497,121.35	207,805,669.39	299,391,425.78
Less: Grants in aid of construction:						
Province of Ontario for rural power districts	1,432,689.46	67,648.07			17,784,280.23	17,851,928.30
Transferred to Northern Ontario Properties as at October 31, 1939	(177,431.79)					
	1,255,257.67					
	8,938,993.43	4,519,189.01	24,501,797.96	62,497,121.35	190,021,389.16	281,539,497.48

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

CAPITAL EXPENDITURES AND GRANTS—RURAL POWER DISTRICTS

Summary at October 31, 1940

Statement showing the Total Capital Expenditures to October 31, 1940, on the construction of Primary and Secondary lines in Rural Power Districts; the portion thereof in course of construction, and the investment in lines in operation; also the amounts of the Grants (fifty per cent of both Primary and Secondary lines) paid or payable to the Commission by the Province of Ontario up to October 31, 1940

System	Total capital expenditure	In course of construction	In operation	Grants (50% of Primary and Secondary lines) paid or payable by the Province as authorized by Orders-in-Council*
	$ c.	$ c.	$ c.	$ c.
Niagara system	22,505,178 98	132,928.91	22,372,250.07	11,201,627.08
Georgian Bay system	4,956,977.56	752.99	4,956,224.57	2,397,380.91
Eastern Ontario system	8,108,662.86	1,680.36	8,106,982.50	4,028,822.74
Thunder Bay system	448,195.14	....	448,195.14	224,097.57
Sub-total	36,019,014.54	135,362.26	35,883,652.28	17,851,928.30
Northern Ontario Properties	596,068.39	....	596,068.39	296,969.74
Totals	36,615,082.93	135,362.26	36,479,720.67	18,148,898.04

*Grants not made by Province in respect of a summer resort, street lighting systems in 78 districts, service buildings in 5 districts and amounts paid for business already established (hereinafter called Intangible Assets) in 11 rural distribution systems purchased from private companies.

NOTE:

The Grants paid over by the Province to the Commission up to October 31, 1940, on account of authorized grants to rural power districts—amount to	$18,235,108.10	
The Grants payable by the Province—as above set out—in respect of rural power districts as at October 31, 1940, amount in the aggregate to	18,148,898.04	
A balance of		$86,210.06

Which balance represents:

Grant funds in the hands of the Commission at October 31, 1940, not allocated, but to apply against the construction of authorized rural power districts and extension to existing districts $86,210.06

THE HYDRO-ELECTRIC POWER

Power Accounts Receivable

System or property	Wholesale power consumers			
	Interim power bills	Accumulated amount standing as a charge or credit on October 31, 1940		Net total for wholesale consumers
		Charge	Credit	
	$ c.	$ c.	$ c.	$ c.
NIAGARA SYSTEM:				
Municipalities	1,953,365.96	137,853.98	331,040.42	1,760,179.52
Companies	778,587.64			778,587.64
Rural and local				
	2,731,953.60	137,853.98	331,040.42	2,538,767.16
GEORGIAN BAY SYSTEM:				
Municipalities	127,084.52	6,694.65	41,253.27	92,525.90
Companies	17,819.69			17,819.69
Rural and local				
	144,904.21	6,694.65	41,253.27	110,345.59
EASTERN ONTARIO SYSTEM:				
Municipalities	324,877.89	15,837.92	88,879.10	251,836.71
Companies	60,789.38			60,789.38
Rural				
Local				
	385,667.27	15,837.92	88,879.10	312,626.09
THUNDER BAY SYSTEM:				
Municipalities	166,034.50	901.01	11,376.11	155,559.40
Companies	149,335.23			149,335.23
Rural and local				
	315,369.73	901.01	11,376.11	304,894.63
Grand totals	3,577,894.81	161,287.56	472,548.90	3,266,633.47

COMMISSION OF ONTARIO

—October 31, 1940

Retail power consumers—local and rural districts	Net total of power accounts receivable	Balance sheet figures		Debit balances three months or more overdue
		Debit balances	Credit balances	
$ c.	$ c.	$ c.	$ c.	$ c.
....	1,760,179.52	1,794,038.42	33,858.90	24,585.38
....	778,587.64	778,587.64	....	....
656,270.02	656,270.02	656,270.02	....	14,603.33
656,270.02	3,195,037.18	3,228,896.08	33,858.90	39,188.71
....	92,525.90	95,622.43	3,096.53	2,709.21
....	17,819.69	17,819.69	....	....
148,157.27	148,157.27	148,157.27	....	7,181.10
148,157.27	258,502.86	261,599.39	3,096.53	9,890.31
....	251,836.71	255,579.88	3,743.17	609.51
....	60,789.38	60,789.38	....	186.28
228,739.79	228,739.79	228,739.79	....	11,801.61
2,808.87	2,808.87	2,808.87	....	43.05
231,548.66	544,174.75	547,917.92	3,743.17	12,640.45
....	155,559.40	155,559.40	....	....
....	149,335.23	149,335.23	....	82,040.25
12,483.60	12,483.60	12,483.60	....	1,527.89
12,483.60	317,378.23	317,378.23	....	83,568.14
1,048,459.55	4,315,093.02	4,355,791.62	40,698.60	145,287.61

THE HYDRO-ELECTRIC POWER

Funded Debt Issued or

Description	Application of proceeds
6% H-E.P.C. debentures	Toronto Power Company
6% " "	T. & Y. R.R. equipment
2½% " "	Refunding Province of Ont. advances, etc.
6% " "	Refunding Ontario Power Company
3½% " "	Refunding D. P. & T. and E. D. Co.'s.
5% Ontario Power Co. bonds	Ontario Power Company
2½% H-E.P.C. debentures	Refunding Province of Ont. advances, etc.
5% Ontario Transmission Co. bonds	Ontario Transmission Company
3% H-E.P.C. debentures	Financing Plant Extensions
3¼% " "	Refunding Toronto Power Company
4% " "	Ontario Power Company
4% " "	Essex system
4% " "	Thorold system
4¾% " "	Dominion Power & Transmission Co.
Municipal debentures assumed	
RADIAL RAILWAYS:	
6% Hydro-Electric Railway bonds	Toronto & York Radial
Funded debt as shown on the Balance Sheet of the Hydro-Electric Power Commission of Ontario	
NORTHERN ONTARIO PROPERTIES:	
2½% H-E.P.C. debentures	Abitibi and St. Joseph districts
2½% " "	Refunding Ontario Power Service Corp'n
3½% " "	and for financing plant extensions
3% " "	Financing Plant extensions
Funded Debt relating to all properties vested in, or operated by, the Commission	

COMMISSION OF ONTARIO

Assumed—October 31, 1940

Date of issue	Date of maturity	Principal outstanding October 31, 1940	Interest for the year 1939-1940	Interest accrued October 31, 1940
		$ c.	$ c.	$ c.
December 1, 1920	December 1, 1940	413,200.00	24,792.00	10,330.00
December 1, 1920	December 1, 1940	204,800.00	12,313.00	5,120.00
March 1, 1936	March 1, 1941	10,000,000.00	250,000.00	41,666.67
June 24, 1921	June 24, 1941	3,200,000.00	192,000.00	67,857.53
January 1, 1935	January 1, 1943	10,000,000.00	350,000.00	116,666.66
February 1, 1903	February 1, 1943	7,454,000.00	372,700.00	93,175.00
June 15, 1936	June 15, 1944	10,000,000.00	250,000.00	93,750.00
May 1, 1905	May 1, 1945	1,145,000.00	57,875.00	....
August 1, 1938	August 1, 1948	6,940,000.00	208,200.00	52,050.00
February 1, 1938	February 1, 1953	9,000,000.00	292,500.00	73,125.00
August 1, 1917	August 1, 1957	8,000,000.00	320,000.00	80,000.00
June 1, 1918	June 1, 1958	200,000.00	8,000.00	3,333.34
December 1, 1918	December 1, 1958	100,000.00	4,000.00	1,666.67
January 1, 1930	January 1, 1970	11,864,000.00	586,023.46	187,846.66
		78,521,000.00	2,928,403.46	826,587.53
....	....	1,667.42	440.00	146.67
		78,522,667.42	2,928,843.46	826,734.20
December 1, 1920	December 1, 1940	2,076,000.00	126,055.00	51,900.00
....	....	80,598,667.42	3,054,898.46	878,634.20
March 1, 1936	March 1, 1941	5,000,000.00	125,000.00	20,833.33
April 1, 1937	April 1, 1942	11,000,000.00	275,000.00	22,916.66
April 1, 1937	April 1, 1947	8,000,000.00	280,000.00	23,333.33
August 1, 1938	August 1, 1948	5,560,000.00	166,800.00	41,700.00
		29,560,000.00	846,800.00	108,783.32
		110,158,667 42	3,901,698.46	987,417.52

THE HYDRO-ELECTRIC POWER

Renewals Reserves

	Niagara system	Georgian Bay system
	$ c.	$ c.
Balances at November 1, 1939	32,456,213.47	2,466,359.21
Transferred during the year	....	(2,408.53)
Provision in the year—direct	1,653,010.50	164,305.95
indirect	....	....
Interest at 4% on reserves' balances	1,298,248.54	98,556.48
Adjustments re transfer of equipment	(76,567.51)	....
Sub-total	35,330,905.00	2,726,813.11
Expenditures for the year	529,046.51	109,924.48
Balances at October 31, 1940	34,801,858.49	2,616,888.63
Account balances:		
Power plants, transmission lines and transformer stations	30,942,603.81	2,200,551.96
Rural power districts	3,850,977.34	415,967.40
Rural lines	8,277.34	369.27
Administrative office building	....	....
Service buildings and equipment	....	....
	34,801,858.49	2,616,888.63

THE HYDRO-ELECTRIC POWER

Contingencies and Obsolescence

	Niagara system	Georgian Bay system
	$ c.	$ c.
Balances at November 1, 1939	5,025,468.05	575,339.10
Adjustment for steam and mining equipment transferred from sinking fund reserve	218,510.56	....
Transferred during the year	85,356.04	(313.88)
Provision in the year as per cost statement	651,619.25	36,253.18
Interest at 4% on reserves' balances	201,018.72	23,001.00
Sub-total	6,181,972.62	634,279.40
Contingencies met with during the year	1,434,325.64	87,559.85
Terminal building, Hamilton	28,186.45	....
Balances at October 31, 1940	4,719,460.53	546,719.55
Account balances:		
Power plants, transmission lines, transformer stations and rural power districts	4,715,470.41	546,563.48
Rural lines	3,990.12	156.07
	4,719,460.53	546,719.55

COMMISSION OF ONTARIO

—October 31, 1940

Eastern Ontario system	Thunder Bay system	Service and administrative buildings and equipment	Totals for power undertakings operated on a "cost basis"
$ c.	$ c.	$ c.	$ c.
5,251,578.51	2,733,600.48	573,593.20	43,481,344.87
4,432.65	....	....	2,024.12
294,695.11	163,818.74	....	2,275,830.30
....	....	13,071.28	13,071.28
209,267.87	109,344.02	19,774.13	1,735,191.04
(21,637.38)	....	....	(98,204.89)
5,738,336.76	3,006,763.24	606,438.61	47,409,256.72
68,451.66	1,252.74	909.80	709,585.19
5,669,885.10	3,005,510.50	605,528.81	46,699,671.53
4,788,945.19	2,982,112.56	....	40,914,213.52
880,939.91	23,397.94	....	5,171,282.59
....	....	....	8,646.61
....	....	203,037.74	203,037.74
....	....	402,491.07	402,491.07
5,669,885.10	3,005,510.50	605,528.81	46,699,671.53

COMMISSION OF ONTARIO

Reserves—October 31, 1940

Eastern Ontario system	Thunder Bay system	Total for power undertakings operated on a "cost basis"
$ c.	$ c.	$ c.
1,658,641.27	1,235,931.11	8,495,379.53
45,006.26	305,020.71	568,537.53
35,555.76	....	120,597.92
77,174.16	184,273.86	949,320.45
66,345.65	49,437.24	339,802.61
1,882,723.10	1,774,662.92	10,473,638.04
121,183.25	4,405.32	1,647,474.06
....	....	28,186.45
1,761,539.85	1,770,257.60	8,797,977.53
1,761,539.85	1,770,257.60	8,793,831.34
....	....	4,146.19
1,761,539.85	1,770,257.60	8,797,977.53

THE HYDRO-ELECTRIC POWER

Stabilization of Rates Reserves

	Niagara system	Georgian Bay system
	$ c.	$ c.
Balances at November 1, 1939	4,736,914.34	270,260.79
Appropriations in the year as per costs statement	2,487,721.50	167,806.82
Interest at 4% on stabilization balances	189,476.57	10,810.43
Balances at October 31, 1940	7,414,112.41	448,878.04
Account balances:		
Systems	7,414,112.41	448,878.04

THE HYDRO-ELECTRIC POWER

Sinking Fund Reserves

	Niagara system	Georgian Bay system
	$ c.	$ c.
Balances at November 1, 1939	45,075,645.22	1,815,681.56
Adjustment for steam and mining equipment transferred to Contingencies reserve	(218,510.56)	....
Transferred during the year	(141.30)	(1,773.08)
Provision in the year—direct	2,264,519.95	123,695.87
indirect	....	....
Interest at 4% on reserves' balances	1,803,025.81	72,556.34
Balances at October 31, 1940	48,924,539.12	2,010,160.69
Account balances:		
Systems	47,674,515.89	1,852,542.83
Rural power districts	1,232,916.12	157,086.98
Rural lines	17,107.11	530.88
Administrative office buildings	....	....
Service buildings and equipment	....	....
	48,924,539.12	2,010,160.69

COMMISSION OF ONTARIO

—October 31, 1940

Eastern Ontario system	Thunder Bay system	Thunder Bay Mining area	Total for power undertakings operated on a "cost basis"
$ c.	$ c.	$ c.	$ c.
522,274.10	157,743.22	21,909.64	5,709,102.09
397,653.37	39,510.23	85,712.45	3,178,404.37
20,890.96	6,309.73	876.39	228,364.08
940,818.43	203,563.18	108,498.48	9,115,870.54
940,818.43	203,563.18	108,498.48	9,115,870.54

COMMISSION OF ONTARIO

—October 31, 1940

Eastern Ontario system	Thunder Bay system	Service and administrative buildings and equipment	Tctals for power undertakings operated on a "cost basis"
$ c.	$ c.	$ c.	$ c.
2,672,212.00	2,724,513.85	491,858.95	52,779,911.58
(45,006.26)	(305,020.71)	....	(568,537.53)
996.27	....	....	(918.11)
243,842.36	197,876.99	....	2,829,935.17
....	....	26,648.37	26,648.37
106,928.33	108,980.55	19,674.36	2,111,165.39
2,978,972.70	2,726,350.68	538,181.68	57,178,204.87
2,689,939.62	2,718,455.65	....	54,935,453.99
289,033.08	7,895.03	....	1,686,931.21
....	....	....	17,637.99
....	....	332,921.42	332,921.42
....	....	205,260.26	205,260.26
2,978,972.70	2,726,350.68	538,181.68	57,178,204.87

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Account with

The Provincial Treasurer of the Province of Ontario

As at October 31, 1940

ADVANCES FROM THE PROVINCE OF ONTARIO

	Total	Northern Ontario Properties operated for the Province of Ontario	Niagara and other systems operated on a "cost basis"
	$ c.	$ c.	$ c.
Advances for Capital Expenditures:			
Cash advances made by the Province to the Commission for capital expenditures purposes during the years 1909 to 1934, inclusive.............	207,250,258.34	8,331,113.46	198,919,144.88
Cash returned by the Commission to the Province on April 30, 1935, to cover the difference between advances made by the Province to the Commission during the year ended October 31, 1934, and the capital expenditures made out of such advances by the Commission in that year........	247,507.98	74,001.99	173,505.99
Total advances for capital expenditures......	207,002,750.36	8,257,111.47	198,745,638.89
Repayments of Advances—1926 to 1933:			
Cash repayments made by the Commission to the Province during the years 1926 to 1933 inclusive, which have been applied in each subsequent year to reduce the Commission's share in maturing Provincial obligations......................	17,008,616.73	3,061.39	17,005,555.34
Commission's share in Provincial Bonds at October 31, 1934......................	189,994,133.63	8,254,050.08	181,740,083.55
Repayments of Advances:			
Retirements of Commission's share of Provincial bonds matured in the period November 1, 1934, to October 31, 1940:			
In year ended Oct. 31, 1935...$ 3,946,628.69			
" " " " 1936... 21,998,092.45			
" " " " 1937... 13,557,615.63			
" " " " 1938... 1,777,019.93			
" " " " 1939... 2,151,516.02			
" " " " 1940... 1,756,175.77	45,187,048.49	2,148,356.68	43,038,691.81
Commission's share in Provincial bonds at October 31, 1940......................	144,807,085.14	6,105,693.40	138,701,391.74

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

STATEMENTS FOR MUNICIPALITIES

RECEIVING POWER UNDER COST CONTRACTS

For the Year ended October 31, 1940

STATEMENTS FOR EACH SYSTEM

Cost of Power	Credit or Charge
Sinking Fund	Rural Operating

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1939	From Jan. 1, 1940			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.
Acton	28.50	28.50	249,474.75	1,095.3	7,110.87	5,307.64	11,610.42
Agincourt	35.50	35.50	58,470.05	192.8	1,251.69	964.46	2,282.66
Ailsa Craig	44.00	44.00	33,720.96	110.4	716.74	1,201.04	1,558.58
Alvinston	68.00	63.00	38,375.84	101.3	657.66	1,431.45	1,795.98
Amherstburg	33.50	33.50	224,094.39	836.1	5,428.10	6,140.22	10,100.15
Ancaster twp.	27.50	27.50	78,544.27	377.7	2,452,09	1,675.19	3,622.95
Arkona	65.00	65.00	24,121.45	57.3	372.00	858.86	1,109.44
Aylmer	30.50	30.50	167,247.01	709.9	4,608.79	3,504.14	7,620.86
Ayr	29.50	29.50	50,995.82	207.6	1,347.77	1,191.54	2,343.28
Baden	28.50	28.50	75,139.96	339.3	2,202.79	1,696.55	3,493.79
Beachville	28.50	28.50	113,853.33	512.3	3,325.94	2,995.92	5,287.50
Beamsville	26.00	26.00	78,489.09	398.4	2,586.48	1,634.61	3,636.79
Belle River	34.50	34.50	42,924.07	164.0	1,064.72	1,094.54	1,932.08
Blenheim	34.50	34.50	127,782.97	528.8	3,433.06	3,484.41	5,823.77
Blyth	47.00	47.00	38,481.53	120.3	781.01	1,092.65	1,781.75
Bolton	38.50	38.50	49,112.15	167.1	1,084.84	1,226.89	2,119.56
Bothwell	42.50	42.50	36,809.68	138.3	897.87	1,211.55	1,677.91
Brampton	27.00	27.00	551,805.74	2,869.9	18,631.87	13,709.83	25,608.18
Brantford	23.50	23.50	3,152,768.76	15,891.0	103,167.01	60,000.31	144,924.15
Brantford twp.	27.50	27.50	156,392.51	790.1	5,129.46	5,738.43	7,175.20
Bridgeport	31.50	31.50	27,863.71	114.0	740.11	640.37	1,292.37
Brigden	55.00	55.00	29,332.60	82.3	534.31	921.25	1,339.43
Brussells	44.00	44.00	44,755.92	146.5	951.10	1,293.07	2,077.31
Burford	30.50	30.50	44,310.13	196.2	1,273.76	1,064.98	2,033.36
Burgessville	50.50	50.50	14,238.49	44.7	290.20	461.77	656.60
Caledonia	27.50	27.50	82,397.13	367.1	2,383.27	1,973.41	3,788.43
Campbellville	55.50	50.00	12,823.41	35.3	229.17	553.98	590.24
Cayuga	42.00	42.00	41,469.54	140.7	913.45	1,143.37	1,914.85
Chatham	26.50	26.50	1,328,824.76	6,287.3	40,818.20	27,340.57	60,704.19
Chippawa	21.50	21.50	43,856.51	296.4	1,924.28	883.85	2,029.13
Clifford	50.00	50.00	31,774.32	90.5	587.54	923.58	1,469.20
Clinton	33.50	33.50	140,551.94	572.3	3,715.47	3,292.92	6,531.32
Comber	41.50	41.50	39,458.96	127.5	827.75	1,235.85	1,813.81
Cottam	40.50	40.50	22,944.83	77.0	499.90	717.33	1,034.44
Courtright	64.00	60.00	19,330.12	43.3	281.11	783.17	883.85
Dashwood	42.00	42.00	25,592.15	84.6	549.24	590.23	1,164.76
Delaware	34.00	34.00	15,430.28	68.7	446.01	514.00	712.31
Delhi	36.00	36.00	144,196.07	563.2	3,656.39	2,950.21	6,527.74
Dorchester	36.00	36.00	26,474.57	104.4	677.78	772.86	1,222.79
Drayton	50.00	50.00	43,744.97	118.7	770.62	1,214.33	2,029.14

SYSTEM *N—COST OF POWER*

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1940

costs and fixed charges				Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund	Credit			
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
2,147.60	814.86	1,369.13	2,628.57	686.96	30,302.13	31,215.35	913.22
443.62	148.29	241.00	519.29	120.92	5,730.09	6,845.29	1,115.20
344.04	108.71	138.00	355.22	69.24	4,353.09	4,859.07	505.98
435.11	122.82	126.63	412.58	63.53	4,918.70	6,462.22	1,543.52
1,981.33	737.96	1,045.13	2,292.10	524.40	27,200.59	28,007.69	807.10
624.20	247.43	472.13	821.54	236.89	9,678.64	10,387.20	708.56
272.78	74.14	71.63	252.09	35.94	2,975.00	3,722.35	747.35
1,420.77	534.90	887.38	1,728.52	445.24	19,860.12	21,652.71	1,792.59
453.15	168.66	259.50	530.93	130.21	6,164.62	6,123.47	(41.15)
630.87	246.47	424.13	791.58	212.81	9,273.37	9,669.57	396.20
955.69	384.04	640.37	1,197.30	321.31	14,465.45	14,600.57	135.12
636.14	266.99	498.00	825.94	249.87	9,835.08	10,357.54	522.46
373.01	138.75	205.00	438.62	102.86	5,143.86	5,657.15	513.29
1,093.87	414.65	661.00	1,325.33	331.66	15.904.43	18,241.89	2,337.46
399.62	121.05	150.38	405.52	75.45	4,656.53	5,656.07	999.54
448.00	142.34	208.88	483.84	104.80	5,609.55	6,434.95	825.40
336.93	121.07	172.88	382.32	86.74	4.713.79	5,878.82	1,165.03
4,133.79	1,675.41	3,587.38	5,810.30	1,799.98	71,356.78	77,487.54	6,130.76
23,865.18	9,970.25	16,688.75	32,777.49	8,373.64	383,019.50	376,333.31	(6,686.19)
1,160.09	487.13	987.63	1,624.34	495.54	21,806.74	21,726.38	(80.36)
251.23	88.96	142.50	293.53	71.50	3,377.57	3,591.66	214.09
311.72	95.27	102.88	305.86	51.62	3,559.10	4,526.03	966.93
455.05	142.14	183.13	471.66	91.88	5,481.58	6,443.80	962.22
370.68	144.52	245.25	461.35	123.06	5,470.84	5,983.09	512.25
147.88	44.06	55.88	149.74	28.04	1,778.09	2,259.45	481.36
691.14	270.94	458.88	857.77	230.24	10,193.60	10,096.40	(97.20)
141.47	40.48	44.13	135.08	22.14	1,712.41	1,798.54	86.13
416.33	129.12	175.88	435.07	88.25	5,039.82	5,908.35	868.53
10,148.53	4,213.79	7,859.13	13,752.06	3,943.34	160,893.13	166,613.30	5,720.17
255.38	121.97	370.50	461.51	185.90	5,860.72	6,371.53	510.81
343.10	98.25	113.13	334.88	56.76	3,812.92	4,525.41	712.49
1,263.34	439.19	715.38	1,481.48	358.94	17,080.16	19,172.47	2,092.31
393.48	122.40	159.38	410.63	79.97	4,883.33	5,289.86	406.53
217.01	71.67	96.25	235.33	48.29	2,823.64	3,118.17	294.53
222.44	58.03	54.13	201.94	27.16	2,457.51	2,632.74	175.23
255.02	79.66	105.75	266.16	53.06	2,957.76	3,553.20	595.44
130.65	50.80	85.88	162.47	43.09	2,059.03	2,336.65	277.62
1,294.24	452.93	704.00	1,488.08	353.23	16,720.36	20,275.20	3,554.84
243.32	84.85	130.50	278.33	65.48	3,344.95	3,757.50	412.55
481.05	132.54	148.38	461.02	74.45	5,162.63	5,933.31	770.68

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horsepower supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1939	From Jan. 1, 1940			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.
Dresden	38.00	38.00	106,958.18	400.9	2,602.71	2,790.64	4,893.35
Drumbo	35.00	35.00	24,757.64	98.9	642.08	733.64	1,133.85
Dublin	50.00	50.00	16,753.26	49.0	318.12	641.35	733.52
Dundas	22.50	22.50	391,492.04	2,107.1	13,679.64	6,782.87	18,088.92
Dunnville	27.50	27.50	203,432.39	1,146.6	7,443.92	4,014.21	9,362.30
Dutton	33.50	33.50	59,609.55	243.3	1,579.54	2,005.40	2,714.67
Elmira	30.00	30.00	175,485.46	742.1	4,817.84	3,164.96	8,139.06
Elora	31.50	31.50	88,569.41	367.7	2,387.17	2,050.06	4,118.52
Embro	40.00	40.00	29,031.20	101.2	657.01	728.68	1,223.92
Erieau	48.00	48.00	29,301.35	92.9	603.12	819.77	1,333.70
Erie Beach	55.00	55.00	7,573.05	22.4	145.42	321.35	346.20
Essex	31.50	31.50	129,833.50	511.6	3,321.39	2,884.76	5,842.18
Etobicoke twp.	23.50	23.50	1,249,753.74	6,352.1	41,238.89	23,209.98	57,518.64
Exeter	34.50	34.50	141,580.88	566.7	3,679.11	3,112.94	6,554.08
Fergus	31.50	31.50	287,216.29	1,224.5	7,949.66	6,299.91	13,346.06
Fonthill	29.50	29.50	33,583.48	148.8	966.03	731.38	1,569.47
Forest	40.00	40.00	143,897.72	491.7	3,192.20	4,183.38	6,592.85
Forest Hill Village	26.34	25.50	1,534,677.66	6,846.9	44,451.21	29,180.74	61,894.98
Galt	24.00	24.00	1,676,747.59	8,673.7	56,311.10	32,979.17	78,123.49
Georgetown	31.50	31.50	384,138.97	1,581.4	10,266.71	7,976.87	17,840.14
Glencoe	50.00	50.00	71,313.09	208.0	1,350.37	2,074.94	3,265.68
Goderich	37.50	37.50	379,436.24	1,384.1	8,985.81	8,872.44	17,601.28
Granton	45.00	45.00	19,412.63	66.9	434.33	686.70	894.80
Guelph	23.50	23.50	2,019,234.67	10,560.9	68,563.11	41,305.86	94.121.37
Hagersville	28.50	28.50	208,637.54	848.2	5,506.66	4,447.00	9,690.16
Hamilton	21.25	*22.00	21,357,197.45	120,050.8	779,389.75	355,282.33	990,549.22
Harriston	37.50	37.50	103,905.77	385.9	2,505.33	2,978.55	4,814.39
Harrow	34.50	34.50	128,317.47	463.2	3,007.17	3,320.12	5,781.61
Hensall	45.50	45.50	60,369.22	186.7	1,212.09	1,452.17	2,785.10
Hespeler	24.50	24.50	490,662.73	2,553.7	16,579.04	9,888.08	22,832.74
Highgate	42.50	42.50	23,387.90	80.1	520.02	774.38	1,068.86
Humberstone	24.50	24.50	99,850.02	516.6	3,353.85	2,093.45	4,616.63
Ingersoll	25.50	25.50	528,205.93	2,599.1	16,873.79	10,517.77	24,550.09
Jarvis	35.50	35.50	53,194.54	173.1	1,123.79	1,121.44	2,471.92
Kingsville	33.50	33.50	172,708.59	638.4	4,144.60	3,795.88	7,763.93

*July 1, 1940.

SYSTEM *N—COST OF POWER*

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1940

costs and fixed charges				Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund	Credit			
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
980.52	343.80	501.13	1,110.94	251.44	12,971.65	15,232.93	2,261.28
222.40	78.95	123.63	257.51	62.03	3,130.03	3,460.06	330.03
165.61	56.20	61.25	167.17	30.73	2,112.49	2,448.03	335.54
2,781.96	1,194.39	2,633.88	4,091.55	1,321.56	47,931.65	47,409.43	(522.22)
1,485.82	652.79	1,433.25	2,138.52	719.14	25,811.67	31,532.19	5,720.52
520.71	192.02	304.13	616.12	152.60	7,779.99	8,149.16	369.17
1,546.95	575.75	927.63	1,848.65	465.44	20,555.40	22,264.25	1,708.85
793.25	288.50	459.63	933.17	230.62	10,799.68	11,582.04	782.36
249.43	85.57	126.50	279.09	63.47	3,286.73	4,047.00	760.27
294.96	89.98	116.13	304.99	58.27	3,504.38	4,461.20	956.82
78.74	22.96	28.00	78.89	14.05	1,007.51	1,233.38	225.87
1,102.59	419.67	639.50	1,325.46	320.87	15,214.68	16,115.34	900.66
9,369.79	3,950.56	7,940.13	13,014.86	3,983.99	152,258.86	149,274.71	(2,984.15)
1,292.17	452.46	708.38	1,490.76	355.43	16,934.47	19,549.74	2,615.27
2,525.63	927.37	1,530.63	3,026.18	768.00	34,837.44	38,571.78	3,734.34
302.40	111.57	186.00	357.59	93.33	4,131.11	4,388.12	257.01
1,394.44	478.55	614.63	1,498.89	308.39	17,646.55	19,667.66	2,021.11
9,510.28	3,976.88	8,558.63	14,059.04	4,294.32	167,337.44	175,738.79	8,401.35
12,492.96	5,256.90	10,842.13	17,665.51	5,440.08	208,231.18	208,167.60	(63.58)
3,459.90	1,229.81	1,976.75	4,047.30	991.84	45,805.64	49,812.90	4,007.26
746.02	221.97	260.00	742.97	130.46	8,531.49	10,399.58	1,868.09
3,648.19	1,157.78	1,730.13	3,999.08	868.10	45,126.61	51,903.27	6,776.66
193.03	60.60	83.63	204.41	41.96	2,515.54	3,012.39	496.85
14,914.04	6,424.58	13,201.13	21,277.96	6,623.71	253,184.34	248,182.01	(5,002.33)
1,897.17	691.33	1,060.25	2,192.69	531.98	24,953.28	24,173.37	(779.91)
145,059.15	64,874.79	150,063.50	223,629.96	75,294.90	2,633,553.80	2,580,807.31	(52,746.49)
989.26	339.98	482.38	1,095.40	242.03	12,963.26	14,470.81	1,507.55
1,158.90	421.17	579.00	1,312.81	290.52	15,290.26	15,979.28	689.02
631.72	183.41	233.38	635.75	117.10	7,016.52	8,495.62	1,479.10
3,633.11	1,540.23	3,192.13	5,169.43	1,601.66	61,233.10	62,564.44	1,331.34
226.46	73.45	100.13	243.42	50.24	2,956.48	3,402.48	446.00
776.48	326.81	645.75	1,047.27	324.01	12,536.23	12,657.38	121.15
4,107.34	1,677.35	3,248.88	5,554.00	1,630.13	64,899.09	66,276.05	1,376.96
546.41	174.33	216.38	559.27	108.57	6,104.97	6,143.29	38.32
1,533.31	564.97	798.00	1,764.50	400.40	19,964.79	21,387.50	1,422.71

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horsepower supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1939	From Jan. 1, 1940			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.
Kitchener	23.50	23.50	4,321,631.05	22,658.4	147,102.10	78,037.14	201,285.53
Lambeth	37.50	37.50	30,805.66	119.3	774.52	774.36	1,424.04
La Salle	32.50	32.50	50,912.06	196.6	1,276.36	1,672.95	2,293.38
Leamington	32.50	32.50	439,351.38	1,638.4	10,636.77	9,498.89	19,795.15
Listowel	31.50	31.50	276,610.85	1,201.3	7,799.04	7,672.27	12,841.07
London	23.00	23.00	7,163,026.18	37,280.9	242,033.80	128,282.17	333,237.52
London twp	29.50	29.50	111,010.99	500.3	3,248.03	2,382.52	5,148.50
Long Branch	25.50	25.50	190,656.11	970.2	6,298.70	3.741.24	8,869.66
Lucan	33.50	33.50	43,302.25	186.7	1,212.09	1,157.96	2,005.71
Lynden	33.50	33.50	25,287.01	100.8	654.41	584.48	1,136.28
Markham	32.50	32.50	89,705.62	340.1	2,207.99	2,318.91	3,710.31
Merlin	41.50	41.50	26,282.13	92.0	597.28	762.42	1,202.81
Merritton	20.00	20.00	973,117.32	6,121.8	39,743.74	16,619.95	45,788.00
Milton	30.50	30.50	239,390.62	1,128.2	7,324.46	6,153.96	11,112.33
Milverton	31.50	31.50	79,244.11	335.7	2,179.42	1.979.66	3,674.45
Mimico	22.50	22.50	439,283.99	2,407.2	15,627.94	8,438.23	20,476.68
Mitchell	29.50	29.50	136,911.01	622.4	4,040.72	3,363.03	6,368.93
Moorefield	58.00	58.00	15,005.83	37.2	241.51	448.36	695.25
Mount Brydges	37.50	37.50	25,184.22	103.5	671.94	995.47	1,162.85
Newbury	49.50	49.50	10,028.25	33.8	219.44	411.01	457.37
New Hamburg	30.50	30.50	124,911.97	544.9	3,537.58	2,410.27	5.796.87
New Toronto	25.50	25.50	1,731,485.38	8,564.2	55,600.21	33,505.31	80,569.98
Niagara Falls	17.00	17.00	1,230,988.93	9,861.9	64,025.09	22,025.30	57,255.12
Niagara-on-the-Lake	22.50	22.50	102,955.96	638.2	4,143.30	2,185.51	4,366.66
Norwich	30.50	30.50	94,232.21	406.8	2,641.01	2,046.19	4,366.40
Oil Springs	38.50	38.50	58,005.24	211.3	1,371.79	1,731.00	2,652.74
Otterville	40.50	40.50	33,575.15	124.7	809.57	766.95	1,546.82
Palmerston	34.00	34.00	134,058.65	541.3	3,514.21	3,946.30	6,221.90
Paris	24.50	24.50	322,809.98	1,626.4	10,558.86	6,457.78	14,808.43
Parkhill	55.50	55.50	65,138.57	170.9	1,109.51	2,223.22	3,005.61
Petrolia	35.50	35.50	273,275.90	1,060.8	6,886.89	7,628.61	12,472.77
Plattsville	44.00	44.00	28,639.56	95.4	619.35	839.14	1,315.07
Point Edward	33.50	33.50	299,952.24	1,310.2	8,506.04	10.710.00	13.712.56
Port Colborne	24.50	24.50	369,209.32	1,910.2	12,401.34	7,467.82	17,070.11
Port Credit	29.50	29.50	158,988.79	753.1	4,889.25	4,083.88	7,382.30

SYSTEM *N—COST OF POWER*

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1940

costs and fixed charges				Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund	Credit			
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
31,685.91	13,685.58	28,323.00	45,530.83	14,211.17	531,438.92	532,471.91	1,032.99
287.04	97.18	149.13	324.37	74.82	3,755.82	4,473.77	717.95
438.96	166.37	245.75	520.06	123.31	6,490.52	6,390.94	(99.58)
3,884.47	1,384.80	2,048.00	4,492.86	1,027.59	50,713.35	53,249.12	2,535.77
2,376.86	906.72	1,501.63	2,916.68	753.45	35,260.82	37,840.17	2,579.35
52,655.84	22,688.19	46,601.13	75,360.91	23,382.28	877,477.28	857,461.61	(20,015.67)
931.07	360.36	625.38	1,168.88	313.78	13,550.96	14,758.12	1,207.16
1,461.18	609.44	1,212.75	2,008.96	608.50	23,593.43	24,741.18	1,147.75
375.59	141.92	233.38	455.94	117.10	5,465.49	6,252.78	787.29
221.95	79.06	126.00	258.11	63.22	2,997.07	3,377.05	379.98
677.94	258.83	425.13	842.63	213.31	10,228.43	11,051.90	823.47
251.07	85.83	115.00	273.23	57.70	3,229.94	3,816.27	586.33
6,238.51	2,820.04	7,652.26	10,357.81	3,839.55	125,380.76	122,436.41	(2,944.35)
1,964.43	724.53	1,410.25	2,522.35	707.60	30,504.71	34,409.61	3,904.90
690.99	265.02	419.63	833.85	210.55	9,832.47	10,573.08	740.61
3,118.99	1,352.23	3,009.00	4,629.01	1,509.78	55,142.30	54,162.41	(979.89)
1,133.46	437.64	778.00	1,442.35	390.36	17,173.77	18,361.44	1,187.67
170.20	44.78	46.50	158.13	23.33	1,781.40	2,155.68	374.28
225.89	81.38	129.38	265.18	64.91	3,467.18	3,881.87	414.69
97.83	32.17	42.25	104.31	21.20	1,343.18	1,672.29	329.11
1,076.74	404.16	681.13	1,315.90	341.76	14,880.89	16,620.35	1,739.46
13,625.96	5,660.10	10,705.25	18,244.45	5,371.40	212,539.86	218,388.16	5,848.30
5,073.71	2,985.32	12,327.39	12,952.61	6,185.30	170,459.24	167,651.98	(2,807.26)
548.63	230.83	797.75	992.86	400.27	12,865.27	14,359.13	1,493.86
815.61	312.60	508.50	990.55	255.14	11,425.72	12,406.89	981.17
540.77	196.14	264.13	603.07	132.53	7,227.11	8,134.44	907.33
320.34	107.55	155.88	353.02	78.21	3,981.92	5,052.04	1,070.12
1,212.29	440.83	676.63	1,413.42	339.50	17,086.08	18,403.07	1.316.99
2,399.45	1,003.81	2,033.00	3,351.71	1,020.07	39,592.97	39,846.95	253.98
726.66	200.63	213.63	686.13	107.19	8,058.20	9,483.11	1,424.91
2,444.86	910.32	1,326.00	2,838.11	665.32	33,842.24	38,313.83	4,471.59
285.90	88.05	119.25	298.50	59.83	3,505.43	4,196.14	690.71
2,456.38	979.67	1,637.75	3,109.96	821.75	40,290.61	43,890.87	3,600.26
2,871.20	1,208.43	2,387.75	3,872.44	1,198.06	46,081.03	46.800.39	719.36
1,299.15	522.84	941.38	1,675.20	472.34	20,321.66	22,217.69	1,896.03

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horsepower supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1939	From Jan. 1, 1940			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.
Port Dalhousie	25.50	25.50	147,634.40	777.7	5,048.96	3,068.25	6,915.03
Port Dover	32.50	32.50	110,069.19	423.4	2,748.78	2,253.87	5,004.32
Port Rowan	45.00	40.00	28,494.39	95.8	621.95	701.35	1,284.96
Port Stanley	34.50	34.50	132,259.41	496.3	3,222.06	2,787.09	6,042.94
Preston	24.00	24.00	596,390.03	3,156.0	20,489.28	11,918.68	27,772.52
Princeton	40.50	40.50	40,080.28	117.6	763.48	962.14	1,845.53
Queenston	24.50	24.50	21,947.77	138.4	898.52	544.63	1,006.25
Richmond Hill	30.50	30.50	105,760.25	428.9	2,784.49	2,758.99	4,332.61
Ridgetown	33.50	33.50	139,383.30	566.0	3,674.57	3,784.78	6,367.00
Riverside	29.50	29.50	245,135.99	949.0	6,161.07	5,223.86	11,065.98
Rockwood	35.50	35.50	29,532.82	111.4	723.23	675.35	1,371.66
Rodney	44.00	44.00	52,055.39	166.4	1,080.30	1,618.13	2,363.05
St. Catharines	20.00	20.00	2,531,844.06	15,925.4	103,390.34	43,579.49	119,122.36
St. Clair Beach	35.50	35.50	24,191.28	85.0	551.83	1,133.80	1,095.33
St. George	35.50	35.50	39,766.41	138.0	895.92	1,076.27	1,825.08
St. Jacobs	29.50	29.50	58,709.93	267.5	1,736.65	1,268.99	2,719.15
St. Marys	30.50	30.50	317,679.07	1,436.2	9,324.05	10,162.97	14,756.48
St. Thomas	23.50	23.50	1,536,987.38	7,743.0	50,268.84	29,904.39	69,945.95
Sarnia	28.50	28.50	2,040,592.24	8,806.0	57,170.02	43,496.60	93,463.68
Scarboro twp.	27.50	27.50	810,059.30	3,735.8	24,253.43	14,509.89	36,991.70
Seaforth	30.50	30.50	126,997.41	549.0	3,564.20	3,130.89	5,906.55
Simcoe	25.50	25.50	538,607.19	2,508.6	16,286.25	10,141.41	24,444.90
Springfield	43.50	43.50	18,631.70	57.7	374.60	475.32	852.28
Stamford twp	17.50	17.50	288,278.56	2,287.6	14,851.48	5,315.98	13,491.93
Stouffville	40.50	40.50	77,376.83	261.6	1,698.35	2,071.30	3,226.64
Stratford	25.50	25.50	1,466,404.97	7,284.6	47,292.83	31,699.20	68,233.01
Strathroy	29.50	29.50	286,289.62	1,293.0	8,394.37	7,095.99	13,264.14
Streetsville	34.00	34.00	32,441.03	152.7	991.35	947.79	1,498.03
Sutton	43.00	43.00	81,164.82	239.6	1,555.52	2,094.42	3,437.16
Swansea	29.00	29.00	522,374.55	2,854.2	18,529.94	18,933.72	24,211.63
Tavistock	31.50	31.50	139,254.51	593.9	3,855.70	3,409.16	6,403.96
Tecumseh	32.50	32.50	96,014.61	348.1	2,259.92	2,474.81	4,340.27
Thamesford	34.00	34.00	53,756.52	202.3	1,313.37	1,233.47	2,492.93
Thamesville	35.50	35.50	53,935.51	218.7	1,419.84	1,547.60	2,458.50
Thedford	55.00	55.00	32,691.01	86.8	563.52	1,082.07	1,502.06

SYSTEM *N—COST OF POWER*

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1940

costs and fixed charges				Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund	Credit			
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,152.71	452.75	972.13	1,568.68	487.77	18,690.74	19,831.14	1,140.40
999.41	354.01	529.25	1,137.27	265.55	12,761.36	13,759.14	997.78
279.57	88.07	119.75	294.84	60.08	3,330.41	3,911.16	580.75
1,223.40	423.55	620.38	1,369.98	311.28	15,378.12	17,121.79	1,743.67
4,340.04	1,878.49	3,945.00	6,283.39	1,979.42	74,647.98	75,744.40	1,096.42
424.08	120.49	147.00	418.26	73.76	4,607.22	4,763.14	155.92
139.05	60.09	173.00	229.41	86.80	2,964.15	3,390.60	426.45
744.43	300.29	536.13	985.06	269.00	12,173.00	13,081.96	908.96
1,212.04	454.32	707.50	1,447.50	354.99	17,292.72	18,960.71	1,667.99
2,110.21	812.90	1,186.25	2,504.26	595.21	28,469.32	27,994.26	(475.06)
280.82	97.47	139.25	311.15	69.87	3,529.06	3,956.18	427.12
521.76	159.49	208.00	537.65	104.36	6,384.02	7,320.86	936.84
16,231.03	7,330.56	19,906.75	26,941.52	9,988.29	326,513.76	318,508.41	(8,005.35)
222.00	78.63	106.25	247.46	53.31	3,381.99	3,016.67	(365.32)
389.05	121.37	172.50	414.58	86.55	4,808.22	4,898.72	90.50
489.42	192.66	334.38	618.50	167.77	7,191.98	7,891.01	699.03
2,590.47	1,061.56	1,795.26	3,346.72	900.77	42,136.74	43,802.73	1,665.99
11,181.41	4,795.03	9,678.75	15,824.05	4,856.35	186,742.07	181,961.07	(4,781.00)
16.878.39	6,633.15	11,007.50	21,161.23	5,523.05	244,287.52	250,969.76	6,682.24
6,232.00	2,493.31	4,669.75	8,402.65	2,343.06	95,209.67	102,733.35	7,523.68
1,094.28	401.97	686.25	1,338.59	344.33	15,778.40	16,744.03	965.63
4,208.10	1,667.47	3,135.75	5,535.44	1,573.37	63,845.95	63,968.51	122.56
191.05	56.08	72.13	193.54	36.19	2,178.81	2,510.33	331.52
1,217.93	700.88	2,859.50	3,033.32	1,434.76	40,036.26	40,032.56	(3.70)
647.11	220.65	327.00	736.35	164.07	8,763.33	10,596.50	1,833.17
11,225.96	4,746.67	9,105.75	15,449.18	4,568.84	183,183.76	185,757.07	2,573.31
2,397.09	881.41	1,616.25	3,014.45	810.96	35,852.74	38,144.69	2,291.95
266.48	106.24	190.88	341.82	95.77	4,246.82	5,190.96	944.14
745.72	229.00	299.50	781.84	150.28	8,992.88	10,303.89	1,311.01
3,456.82	1,545.92	3,567.75	5.503.96	1,790.13	73,959.61	82,772.30	8,812.69
1,192.80	458.68	742.38	1,454.40	372.49	17,144.59	18,708.14	1,563.55
863.58	314.71	435.13	981.43	218.33	11,451.52	11,313.80	(137.72)
509.50	177.39	252.87	566.02	126.88	6,418.67	6,878.20	459.53
468.71	178.91	273.38	559.58	137.17	6,769.35	7,765.03	995.68
355.49	102.70	108.50	341.35	54.44	4,001.25	4,774.14	772.89

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horsepower supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1939	From Jan. 1, 1940			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.
Thorndale	50.00	50.00	18,661.53	60.8	394.72	601.15	850.78
Thorold	21.00	21.00	407,162.73	2,440.0	15,840.89	7,235.26	19,152.77
Tilbury	33.50	33.50	156,628.38	629.0	4,083.57	4,297.06	7,161.64
Tillsonburg	28.50	28.50	293,170.10	1,349.3	8,759.88	6,040.56	13,570.42
Toronto	22.60	22.60	60,834,651.01	333,381.0	2,164,364.86	1,039,408.68	2,831,943.04
Toronto twp	27.50	27.50	528,225.30	2,504.9	16,262.23	13,153.04	24,577.79
Trafalgar twp., Area No. 1	26.50	26.50	91,570.77	420.4	2,729.31	2,022.01	4,264.42
Trafalgar twp., Area No. 2	27.50	27.50	28,529.93	121.1	786.21	712.15	1,329.93
Wallaceburg	31.50	31.50	599,217.38	2,464.1	15,997.35	12,515.97	27,433.61
Wardsville	57.50	57.50	12,041.83	37.4	242.81	487.50	545.97
Waterdown	27.50	27.50	46,239.65	221.8	1,439.96	1,081.51	2,125.17
Waterford	27.50	27.50	102,269.36	458.2	2,974.71	2,006.37	4,655.42
Waterloo	24.00	24.00	808,470.39	4,185.3	27,171.66	15,067.93	37,655.42
Watford	45.50	45.50	93,142.50	320.6	2,081.39	2,526.02	4,294.91
Welland	19.50	19.50	1,075,677.32	7,598.9	49,333.32	19,319.94	49,969.99
Wellesley	44.00	44.00	31,893.83	116.6	756.99	747.74	1,467.75
West Lorne	36.50	36.50	39,489.44	148.9	966.68	1,383.49	1,792.78
Weston	23.00	23.00	756,359.05	3,961.5	25,718.72	14,569.55	35,291.66
Wheatley	45.00	45.00	59,802.40	175.5	1,139.38	1,355.97	2,701.89
Windsor	26.00	26.00	8,845,301.20	39,740.5	258,001.93	144,196.10	396,852.89
Woodbridge	30.50	30.50	127,366.83	561.1	3,642.75	2,506.05	5,892.43
Woodstock	24.50	24.50	1,360,707.04	6,979.1	45,309.48	26,772.73	63,211.75
Wyoming	47.50	47.50	22,553.36	66.6	432.38	811.29	1,033.88
York twp. East	27.50	27.50	1,325,139.22	6,995.6	45,416.60	47,947.62	60,769.70
York twp. North	27.50	27.50	1,261,177.39	5,200.8	33,764.46	27,573.04	50,297.39
Zurich	55.00	55.00	37,117.67	101.3	657.66	875.46	1,688.10
Ontario Reformatory			56,200.12	277.6	1,802.23	1,209.31	2,609.30
Toronto Transportation Comm.			76,196.88	407.2	2,643.61	1,366.53	3,504.95
Totals—Municipalities			151,590,930.72	796,976.2	5.174,102.01	2,802,849.44	7,002,428.43
Totals—Rural power districts			11,778,565.28	50,005.5	324,644.01	263,546.96	536,016.97
Totals—Companies			41,523,158.64	255,593.2	1,743,571.57	980,563.53	1,927,206.16
Totals—Local distribution sys.			1,019,322.60	4,168.0	27,059.36	59,045.37	47,359.24
			205,911,977.24				
Non-operating capital			3,078,078.48				
Grand Totals			208,990,055.72	1,106,742.9	7,269,376.95	4,106,005.30	9.513,010.80

YSTEM *N—COST OF POWER*

lunicipality as the Cost—under Power Commission Act—of Power supplied to
rom each Municipality, and the amount remaining to be credited
upplied to it in the year ended October 31, 1940

osts and fixed charges				Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund	Credit			
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
190.35	57.52	76.00	196.25	38.13	2,328.64	3,040.24	711.60
2,776.04	1,223.43	3,050.00	4,331.62	1,530.35	52,079.66	51,239.68	(839.98)
1,370.61	508.76	786.25	1,625.24	394.50	19,438.63	21,070.44	1,631.81
2,409.78	918.35	1,686.63	3,078.10	846.27	35,617.45	38,456.24	2,838.79
401,059.76	179,665.84	416,726.25	640,980.85	209,093.89	7,465,055.39	7,534,411.16	69,355.77
4,312.26	1,742.72	3,131.13	5,565.69	1,571.06	67,173.80	68,883.60	1,709.80
767.51	313.82	525.50	964.82	263.67	11,323.72	11,141.26	(182.46)
253.38	100.78	151.38	300.59	75.95	3,558.47	3,330.02	(228.45)
5,153.81	1,919.46	3,080.13	6,215.52	1,545.46	70,770.39	77,620.44	6,850.05
122.43	37.96	46.75	125.37	23.46	1,585.33	2,151.00	565.67
365.92	145.62	277.25	481.99	139.11	5,778.31	6,100.76	322.45
831.81	331.61	572.75	1,055.42	287.38	12,140.71	12,601.47	460.76
6,005.94	2,555.68	5,231.63	8,517.64	2,624.99	99,580.91	100,447.40	866.49
915.13	303.58	400.75	981.46	201.08	11,302.16	14,588.83	3,286.67
5,796.02	2,975.91	9,498.63	11,317.05	4,765.97	143,444.89	148,178.00	4,733.11
307.87	102.73	145.75	335.97	73.13	3,791.67	5,131.13	1,339.46
360.52	124.99	186.13	406.44	93.39	5,127.64	5,434.63	306.99
5,267.81	2,230.00	4,951.88	7,969.12	2,484.62	93,514.12	91,114.89	(2,399.23)
607.20	180.66	219.38	615.42	110.07	6,709.83	7,897.15	1,187.32
67,063.84	27,805.64	49,675.63	89,913.69	24,924.92	1,008,584.80	1,033,254.16	24,669.36
1,097.28	412.89	701.38	1,338.91	351.92	15,239.77	17,113.77	1,874.00
10,164.56	4,350.73	8,723.88	14,306.72	4,377.24	168,462.61	170,987.53	2,524.92
234.44	70.36	83.25	235.01	41.77	2,858.84	3,162.29	303.45
8,842.23	3,895.18	8,744.50	13,749.59	4,387.58	184,977.84	192,379.23	7,401.39
8,283.39	3,406.04	6,501.01	11,396.40	3,261.90	137,959.83	143,020.84	5,061.01
402.45	111.57	126.63	386.86	63.53	4,185.20	5,571.97	1,386.77
438.88	179.14	347.00	592.19	174.11	7,003.94	7,494.77	490.83
555.92	234.24	509.00	802.92	255.39	9,361.78	11,924.04	2,562.26
,067,844.83	460,000.35	993,045.70	1,584,815.14	(498,264.03)	18,586,821.87	18,804,593.69	331,040.42 (113,268.60)
99,282.44	37,514.32	62,507.42	121,282.83	(31,363.06)	1,413,431.89	1,413,431.89	
258,328.18	148,910.12	1,432,168.38	432,384.98	514,427.14	7,437,560.06	7,437,560.06	
10,765.10	4,993.87		10,715.84	15,199.95	175,138.73	175,138.73	
,436,220.55	651,418.66	2,487,721.50	2,149,198.79	....	27,612,952.55	27,830,724.37	331,040.42 (113,268.60)

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1940, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1939	
		Credit	Charge
		$ c.	$ c.
Acton	Jan. 1913	433.24	
Agincourt	Nov. 1922	850.05	
Ailsa Craig	Jan. 1916	579.91	
Alvinston	April 1922	1,539.20	
Amherstburg	Nov. 1925	1,800.95	
Ancaster township	May 1923	563.91	
Arkona	Dec. 1926	340.35	
Aylmer	Mar. 1918	1,339.98	
Ayr	Jan. 1915	185.30	
Baden	May 1912	285.32	
Beachville	Aug. 1912	227.04	
Beamsville	May 1937	834.41	
Belle River	Dec. 1922	401.28	
Blenheim	Nov. 1915	2,078.37	
Blyth	July 1924	602.01	
Bolton	Feb. 1915	1,065.97	
Bothwell	Sept. 1915	684.80	
Brampton	Nov. 1911	4,627.72	
Brantford	Feb. 1914		3,866.50
Brantford township	May 1924	268.80	
Bridgeport	Mar. 1928	303.55	
Brigden	Jan. 1918	749.16	
Brussels	July 1924	519.12	
Burford	June 1915	364.01	
Burgessville	Nov. 1916	297.46	
Caledonia	Oct. 1912	162.78	
Campbellville	Jan. 1925	373.28	
Cayuga	Nov. 1924	596.28	
Chatham	Feb. 1915	5,494.65	
Chippawa	Sept. 1919	625.95	
Clifford	May 1924	627.14	
Clinton	Mar. 1914	991.56	
Comber	May 1915	58.80	
Cottam	Nov. 1926	336.24	
Courtright	Dec. 1923	487.36	
Dashwood	Sept. 1917	631.57	
Delaware	Mar. 1915	326.79	
Delhi	May 1938	2,966.20	
Dorchester	Dec. 1914	501.55	
Drayton	Mar. 1918	597.70	
Dresden	April 1915	1,014.10	
Drumbo	Dec. 1914	308.95	
Dublin	Oct. 1917	374.81	
Dundas	Jan. 1911		466.28
Dunnville	June 1918	5,171.13	

SYSTEM *N—CREDIT OR CHARGE*

power supplied to it to October 31, 1939, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1940

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1940		Accumulated amount standing as a credit or charge on October 31, 1940	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
	433.24	913.22		913.22	
	850.05	1,115.20		1,115.20	
	579.91	505.98		505.98	
	1,539.20	1,543.52		1,543.52	
	1,800.95	807.10		807.10	
	563.91	708.56		708.56	
	340.35	747.35		747.35	
	1,339.98	1,792.59		1,792.59	
	185.30		41.15		41.15
	285.32	396.20		396.20	
	227.04	135.12		135.12	
	834.41	522.46		522.46	
	401.28	513.29		513.29	
	2,078.37	2,337.46		2,337.46	
	602.01	999.54		999.54	
	1,065.97	825.40		825.40	
	684.80	1,165.03		1,165.03	
	4,627.72	6,130.76		6,130.76	
3,866.50			6,686.19		6,686.19
	268.80		80.36		80.36
	303.55	214.09		214.09	
	749.16	966.93		966.93	
	519.12	962.22		962.22	
	364.01	512.25		512.25	
	297.46	481.36		481.36	
	162.78		97.20		97.20
	373.28	86.13		86.13	
	596.28	868.53		868.53	
	5,494.65	5,720.17		5,720.17	
	625.95	510.81		510.81	
	627.14	712.49		712.49	
	991.56	2,092.31		2,092.31	
	58.80	406.53		406.53	
	336.24	294.53		294.53	
	487.36	175.23		175.23	
	631.57	595.44		595.44	
	326.79	277.62		277.62	
	2,966.20	3,554.84		3,554.84	
	501.55	412.55		412.55	
	597.70	770.68		770.68	
	1,014.10	2,261.28		2,261.28	
	308.95	330.03		330.03	
	374.81	335.54		335.54	
466.28			522.22		522.22
	5,171.13	5,720.52		5,720.52	

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1940, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1939	
		Credit	Charge
		$ c.	$ c.
Dutton	Sept. 1915	593.26	
Elmira	Nov. 1913	1,835.43	
Elora	Nov. 1914	345.46	
Embro	Jan. 1915	625.72	
Erieau	July 1924	815.63	
Erie Beach	July 1925	130.46	
Essex	Nov. 1923	862.94	
Etobicoke township	Aug. 1917	96.02	
Exeter	June 1916	1,999.80	
Fergus	Nov. 1914	2,786.50	
Fonthill	June 1926	678.42	
Forest	Mar. 1917	1,986.60	
Forest Hill Village	Jan. 1938	14,824.19	
Galt	May 1911		3,012.23
Georgetown	Sept. 1913	2,933.47	
Glencoe	Aug. 1920	1,060.24	
Goderich	Feb. 1914	4,535.96	
Granton	July 1916	481.23	
Guelph	Dec. 1910		5,112.56
Hagersville	Sept. 1913	31.29	
Hamilton	Feb. 1911		82,793.30
Harriston	July 1916	1,661.52	
Harrow	Nov. 1923	1,444.70	
Hensall	Jan. 1917	1,370.54	
Hespeler	Feb. 1911	864.38	
Highgate	Dec. 1916	409.27	
Humberstone	Oct. 1924	694.18	
Ingersoll	May 1911		277.90
Jarvis	Feb. 1924		12.91
Kingsville	Nov. 1923	2,037.87	
Kitchener	Jan. 1911		3,550.45
Lambeth	April 1915	547.71	
La Salle	Nov. 1925	314.37	
Leamington	Nov. 1923	3,816.73	
Listowel	June 1916	2,933.06	
London	Jan. 1916		11,312.62
London township	Jan. 1925	1,275.60	
Long Branch	Jan. 1931	674.72	
Lucan	Feb. 1915	663.68	
Lynden	Nov. 1915	240.90	
Markham	April 1920	1,012.40	
Merlin	Dec. 1922	345.79	
Merritton	Nov. 1920		667.24
Milton	April 1913	2,572.13	
Milverton	June 1916	803.78	

SYSTEM *N—CREDIT OR CHARGE*

power supplied to it to October 31, 1939, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1940

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1940		Accumulated amount standing as a credit or charge on October 31, 1940	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
	593.26	369.17		369.17	
	1,835.43	1,708.85		1,708.85	
	345.46	782.36		782.36	
	625.72	760.27		760.27	
	815.63	956.82		956.82	
	130.46	225.87		225.87	
	862.94	900.66		900.66	
	96.02		2,984.15		2,984.15
	1,999.80	2,615.27		2,615.27	
	2,786.50	3,734.34		3,734.34	
	678.42	257.01		257.01	
	1,986.60	2,021.11		2,021.11	
	14,824.19	8,401.35		8,401.35	
3,012.23			63.58		63.58
	2,933.47	4,007.26		4.007.26	
	1.060.24	1,868.09		1.868.09	
	4,539.96	6,776.66		6.776.66	
	481.23	496.85		496.85	
5,112.56			5,002.33		5,002.33
	31.29		779.91		779.91
60,000.00			52,746.49		75,539.79
	1,661.52	1,507.55		1,507.55	
	1,444.70	689.02		689.02	
	1,370.54	1,479.10		1,479.10	
	864.38	1,331.34		1,331.34	
	409.27	446.00		446.00	
	694.18	121.15		121.15	
277.90		1,376.96		1,376.96	
12.91		38.32		38.32	
	2,037.87	1,422.71		1,422.71	
3,550.45		1,032.99		1,032.99	
	547.71	717.95		717.95	
	314.37		99.58		99.58
	3,816.73	2,535.77		2,535.77	
	2,933.06	2,579.35		2,579.35	
11,312.62			20,015.67		20,015.67
	1,275.60	1,207.16		1,207.16	
	674.72	1,147.75		1,147.75	
	663.68	787.29		787.29	
	240.90	379.98		379.98	
	1,012.40	823.47		823.47	
	345.79	586.33		586.33	
667.24			2,944.35		2,944.35
	2,572.13	3,904.90		3,904.90	
	803.78	740.61		740.61	

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1940, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1939	
		Credit	Charge
		$ c.	$ c.
Mimico	May 1912	....	1,322.15
Mitchell	Sept. 1911	349.58	....
Moorefield	Mar. 1918	218.36	....
Mount Brydges	Mar. 1915	524.30	....
Newbury	Mar. 1921	207.84	....
New Hamburg	Mar. 1911	1,378.57	....
New Toronto	Feb. 1914	3,885.05	....
Niagara Falls	Dec. 1915	....	736.16
Niagara-on-the-Lake	Aug. 1919	1,249.32	....
Norwich	May 1912	708.70	....
Oil Springs	Feb. 1918	752.38	....
Otterville	Feb. 1916	747.59	....
Palmerston	July 1916	1,543.51	....
Paris	Feb. 1914	286.87	....
Parkhill	May 1920	1,744.88	....
Petrolia	May 1916	4,131.59	....
Plattsville	Dec. 1914	269.66	....
Point Edward	Nov. 1916	2,386.77	....
Port Colborne	Mar. 1920	3,300.08	....
Port Credit	Aug. 1912	1,587.61	....
Port Dalhousie	Nov. 1912	1,326.70	....
Port Dover	Dec. 1921	1,283.39	....
Port Rowan	Nov. 1926	962.81	....
Port Stanley	April 1912	850.32	....
Preston	Jan. 1911	....	134.21
Princeton	Jan. 1915	181.74	....
Queenston	Mar. 1921	448.81	....
Richmond Hill	June 1925	1,101.56	....
Ridgetown	Dec. 1915	1,783.26	....
Riverside	Nov. 1922	105.04	....
Rockwood	Sept. 1913	252.26	....
Rodney	Feb. 1917	767.67	....
St. Catharines	April 1914	....	3,958.07
St Clair Beach	Nov 1922	....	102.57
St. George	Sept. 1915	442.84	....
St. Jacobs	Sept. 1917	843.63	....
St. Marys	May 1911	2,039.75	....
St. Thomas	April 1911	....	636.05
Sarnia	Dec. 1916	3,611.03	....
Scarboro township	Aug. 1918	8,981.00	....
Seaforth	Nov. 1911	582.47	....
Simcoe	Aug. 1915	1,436.68	....
Springfield	Aug. 1917	167.79	....
Stamford township	Nov 1916	....	3,089.53
Stouffville	Sept. 1923	1,566.46	....

SYSTEM *N—CREDIT OR CHARGE*

power supplied to it to October 31, 1939, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1940

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1940		Accumulated amount standing as a credit or charge on October 31, 1940	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,322.15	...	...	979.89	...	979.89
...	349.58	1,187.67	...	1,187.67	...
...	218.36	374.28	...	374.28	...
...	524.30	414.69	...	414.69	...
...	207.84	329.11	...	329.11	...
...	1,378.57	1,739.46	...	1,739.46	...
...	3,885.05	5,848.30	...	5,848.30	...
736.16	...	...	2,807.26	...	2,807.26
...	1,249.32	1,493.86	...	1,493.86	...
...	708.70	981.17	...	981.17	...
...	752.38	907.33	...	907.33	...
...	747.59	1,070.12	...	1,070.12	...
...	1,543.51	1,316.99	...	1,316.99	...
...	286.87	253.98	...	253.98	...
...	1,744.88	1,424.91	...	1,424.91	...
...	4,131.59	4,471.59	...	4,471.59	...
...	269.66	690.71	...	690.71	...
...	2,386.77	3,600.26	...	3,600.26	...
...	3,300.08	719.36	...	719.36	...
...	1,587.61	1,896.03	...	1,896.03	...
...	1,326.70	1,140.40	...	1,140.40	...
...	1,283.39	997.78	...	997.78	...
...	962.81	580.75	...	580.75	...
...	850.32	1,743.67	...	1,743.67	...
134.21	...	1,096.42	...	1,096.42	...
...	181.74	155.92	...	155.92	...
...	448.81	426.45	...	426.45	...
...	1,101.56	908.96	...	908.96	...
...	1,783.26	1,667.99	...	1,667.99	...
...	105.04	...	475.06	...	475.06
...	252.26	427.12	...	427.12	...
...	767.67	936.84	...	936.84	...
3,958.07	...	...	8,005.35	...	8,005.35
102.57	...	...	365.32	...	365.32
...	442.84	90.50	...	90.50	...
...	843.63	699.03	...	699.03	...
...	2,039.75	1,665.99	...	1,665.99	...
636.05	...	...	4,781.00	...	4,781.00
...	3,611.03	6,682.24	...	6,682.24	...
...	8,981.00	7,523.68	...	7,523.68	...
...	582.47	965.63	...	965.63	...
...	1,436.68	122.56	...	122.56	...
...	167.79	331.52	...	331.52	...
3,089.53	...	...	3.70	...	3.70
...	1,566.46	1,833.17	...	1,833.17	...

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1940, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1939	
		Credit	Charge
		$ c.	$ c.
Stratford	Jan. 1911	2,836.66	....
Strathroy	Dec. 1914	3,458.12	....
Streetsville	Dec. 1934	635.53	....
Sutton	Aug. 1923	1,201.76	....
Swansea	Oct. 1937	8,422.41	....
Tavistock	Nov. 1916	1,564.17	....
Tecumseh	Nov. 1922	....	172.16
Thamesford	Feb. 1914	636.20	....
Thamesville	Oct. 1915	917.68	....
Thedford	May 1922	395.13	....
Thorndale	Mar. 1914	823.60	....
Thorold	Jan. 1921	....	627.75
Tilbury	April 1915	1,319.68	....
Tillsonburg	Aug. 1911	2,169.11	....
Toronto	June 1911	56,605.16	....
Toronto township	Aug. 1913	1,496.70	....
Trafalgar township, Area No. 1	Nov. 1937	....	20.00
Trafalgar township, Area No. 2	Nov. 1937	....	85.98
Wallaceburg	Feb. 1915	2,227.60	....
Wardsville	June 1921	441.76	....
Waterdown	Nov. 1911	295.29	....
Waterford	April 1915	589.44	....
Waterloo	Dec. 1910	....	679.06
Watford	Sept. 1917	2,469.02	....
Welland	Sept. 1917	3,449.11	....
Wellesley	Nov. 1916	946.00	....
West Lorne	Jan. 1917	212.36	....
Weston	Jan. 1911	....	1,792.08
Wheatley	Feb. 1924	1,180.02	....
Windsor	Oct. 1914	39,126.54	....
Woodbridge	Dec. 1914	1,750.57	....
Woodstock	Jan. 1911	1,084.34	....
Wyoming	Nov. 1916	352.14	....
York township East	July 1925	....	191.13
York township North	Nov. 1923	5,223.95	....
Zurich	Sept. 1917	1,148.92	....
Ontario Reformatory	Sept. 1913	486.37	....
Toronto Transportation Commission	Jan. 1927	2,488.01	....
Totals—Municipalities	....	302,855.92	124,618.89
Totals—Rural power districts	....	1,652,230.03	368,008.73
Grand totals	....	1,955,085.95	492,627.62

SYSTEM *N—CREDIT OR CHARGE*

power supplied to it to October 31, 1939, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1940

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1940		Accumulated amount standing as a credit or charge on October 31, 1940	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
	2,836.66	2,573.31		2,573.31	
	3,458.12	2,291.95		2,291.95	
	635.53	944.14		944.14	
	1,201.76	1,311.01		1,311.01	
	8,422.41	8.812.69		8,812.69	
	1,564.17	1,563.55		1,563.55	
172.16			137.72		137.72
	636.20	459.53		459.53	
	917.68	995.68		995.68	
	395.13	772.89		772.89	
	823.60	711.60		711.60	
627.75			839.98		839.98
	1,319.68	1,631.81		1,631.81	
	2,169.11	2,838.79		2,838.79	
	56,605.16	69,355.77		69,355.77	
	1,496.70	1,709.80		1,709.80	
20.00			182.46		182.46
85.98			228.45		228.45
	2,227.60	6,850.05		6,850.05	
	441.76	565.67		565.67	
	295.29	322.45		322.45	
	589.44	460.76		460.76	
679.06		866.49		866.49	
	2,469.02	3,286.67		3,286.67	
	3,449.11	4,733.11		4,733.11	
	946.00	1,339.46		1,339.46	
	212.36	306.99		306.99	
			2,399.23		4,191.31
	1,180.02	1,187.32		1,187.32	
	39,126.54	24,669.36		24,669.36	
	1,750.57	1,874.00		1,874.00	
	1,084.34	2,524.92		2,524.92	
	352.14	303.45		303.45	
191.13		7,401.39		7,401.39	
	5,223.95	5,061.01		5,061.01	
	1,148.92	1,386.77		1,386.77	
	486.37	490.83		490.83	
	2,488.01	2,562.26		2,562.26	
100,033.51	302,855.92	331,040.42	113,268.60	331,040.42	137,853.98
72,527.49	19,415.13	206,149.80	87,772.24	1,901,831.84	446,120.62
172,561.00	322,271.05	537,190.22	201,040.84	2,232,872.26	583,974.60

NIAGARA SYSTEM *N—SINKING FUND*

Sinking Fund

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1940

Municipality	Period of years ended Oct. 31, 1940	Amount	Municipality	Period of years ended Oct. 31, 1940	Amount
		$ c.			$ c.
Acton	23 years	70,973.63	Dutton	20 years	20,428.69
Agincourt	16 "	11,594.47	Elmira	22 "	79,533.65
Ailsa Craig	20 "	15,874.72	Elora	21 "	38,261.88
Alvinston	17 "	15,940.84	Embro	21 "	11,612.12
Amherstburg	23 "	55,795.01	Erieau	17 "	6,666.83
Ancaster twp.	17 "	17,811.72	Erie Beach	16 "	1,686.78
Arkona	14 "	6,404.38	Essex	17 "	32,301.24
Aylmer	17 "	44,510.71	Etobicoke twp	18 "	225,644.35
Ayr	21 "	15,446.25	Exeter	19 "	43,357.74
Baden	23 "	33,067.38	Fergus	21 "	64,674.58
Beachville	23 "	42,335.55	Fonthill	15 "	6,552.41
Beamsville	4 "	4,206.62	Forest	18 "	34,359.76
Belle River	18 "	10,772.64	Forest Hill Village	17 "	173,420.65
Blenheim	20 "	39,154.86	Galt	24 "	562,417.37
Blyth	17 "	10,127.62	Georgetown	22 "	106,972.38
Bolton	20 "	18,122.16	Glencoe	17 "	21,086.56
Bothwell	20 "	17,984.60	Goderich	21 "	127,320.47
Brampton	24 "	177,834.28	Granton	19 "	8,344.80
Brantford	21 "	935,988.05	Guelph	24 "	686,018.14
Brantford twp.	16 "	35,387.32	Hagersville	22 "	78,997.55
Bridgeport	13 "	6,523.59	Hamilton	24 "	4,927,615.12
Brigden	18 "	12,275.79	Harriston	19 "	34,949.35
Brussels	17 "	13,558.61	Harrow	17 "	25,836.86
Burford	20 "	14,191.58	Hensall	19 "	17,037.50
Burgessville	19 "	5,523.44	Hespeler	24 "	118,619.86
Caledonia	23 "	23,572.73	Highgate	19 "	10,017.88
Campbellville	16 "	2,684.24	Humberstone	17 "	21,886.02
Cayuga	16 "	10,064.20	Ingersoll	24 "	189,955.48
Chatham	20 "	411,496.26	Jarvis	17 "	15,550.38
Chippawa	18 "	17,806.71	Kingsville	17 "	42,227.98
Clifford	17 "	7,346.28	Kitchener	24 "	1,341,970.74
Clinton	21 "	48,364.95	Lambeth	20 "	10,045.55
Comber	20 "	19,244.17	La Salle	15 "	14,538.61
Cottam	14 "	4,540.56	Leamington	17 "	89,740.38
Courtright	17 "	5,903.96	Listowel	19 "	79,814.76
Dashwood	18 "	8,748.60	London	24 "	2,525,132.36
Delaware	20 "	3,392.83	London twp.	16 "	21,115.02
Delhi	3 "	4,015.97	Long Branch	10 "	26,786.08
Dorchester	21 "	7,868.19	Lucan	20 "	18,970.90
Drayton	17 "	13,017.32	Lynden	20 "	13,510.90
Dresden	20 "	33,085.01	Markham	17 "	19,706.42
Drumbo	21 "	6,844.45	Merlin	17 "	12,002.59
Dublin	18 "	5,893.78	Merritton	19 "	157,654.06
Dundas	24 "	144,669.31	Milton	22 "	103,199.27
Dunnville	17 "	64,261.68	Milverton	19 "	43,857.36

NIAGARA SYSTEM

Sinking Fund

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1940

Municipality	Period of years ended Oct. 31, 1940	Amount	Municipality	Period of years ended Oct. 31, 1940	Amount
		$ c.			$ c.
Mimico	23 years	145,326.44	Stratford	24 years	607,011.67
Mitchell	24 “	45,458.13	Strathroy	21 “	89,618.15
Moorefield	17 “	6,336.97	Streetsville	6 “	2,449.47
Mount Brydges	20 “	7,858.41	Sutton	17 “	16,616.33
Newbury	17 “	4,624.01	Swansea	15 “	79,690.89
New Hamburg	24 “	50,345.75	Tavistock	19 “	45,803.78
New Toronto	21 “	456,630.38	Tecumseh	18 “	26,220.69
Niagara Falls	20 “	582,348.01	Thamesford	21 “	17,277.84
Niagara-on-the-Lake	17 “	31,866.13	Thamesville	20 “	17,718.20
Norwich	23 “	37,370.83	Thedford	17 “	9,606.57
Oil Springs	17 “	25,333.44	Thorndale	21 “	8,609.26
Otterville	19 “	9,033.30	Thorold	18 “	102,236.85
Palmerston	19 “	43,946.64	Tilbury	20 “	46,942.44
Paris	21 “	114,501.88	Tillsonburg	24 “	89,180.87
Parkhill	17 “	19,407.00	Toronto	24 “	19,052,706.83
Petrolia	19 “	103,674.76	Toronto twp	22 “	113,210.34
Plattsville	21 “	9,255.14	Trafalgar twp., Area 1	4 “	4,845.88
Point Edward	18 “	60,672.83	Trafalgar twp., Area 2	4 “	1,526.90
Port Colborne	19 “	99,465.26	Wallaceburg	20 “	189,271.52
Port Credit	23 “	41,399.17	Wardsville	17 “	3,711.50
Port Dalhousie	19 “	36,643.47	Waterdown	24 “	22,799.06
Port Dover	17 “	26,309.63	Waterford	20 “	32,471.51
Port Rowan	14 “	6,915.77	Waterloo	24 “	264,534.75
Port Stanley	23 “	41,169.42	Watford	18 “	23,675.99
Preston	24 “	263,600.09	Welland	18 “	292,169.39
Princeton	21 “	9,495.07	Wellesley	19 “	16,481.37
Queenston	17 “	7,041.01	West Lorne	19 “	25,299.40
Richmond Hill	16 “	19,995.85	Weston	24 “	238,498.52
Ridgetown	20 “	43,262.80	Wheatley	17 “	13,674.53
Riverside	18 “	82,931.61	Windsor	21 “	3,059,756.58
Rockwood	22 “	11,441.19	Woodbridge	21 “	31,317.16
Rodney	18 “	13,727.62	Woodstock	24 “	404,172.48
St. Catharines	19 “	606,105.83	Wyoming	19 “	8,322.86
St. Clair Beach	18 “	6,884.45	York twp.	20 “	647,170.08
St. George	20 “	14,298.84	York twp. East	16 “	284,282.25
St. Jacobs	18 “	16,507.17	York twp. North	17 “	151,226.34
St. Marys	24 “	134,689.05	Zurich	18 “	13,289.12
St. Thomas	24 “	501,254.59	Ontario Reformatory	6 “	5,381.49
Sarnia	19 “	630,494.15	Toronto Trans. Com.	19 “	179,637.15
Scarboro twp	17 “	190,289.32	Sandwich, Windsor & Amherstburg Ry. Co.	18 “	182,678.11
Seaforth	24 “	62,103.34			
Simcoe	20 “	108,569.15	Total—Municipalities		$45,960,396.21
Springfield	18 “	9,306.02	Total—Rural power districts		2,947,035.80
Stamford twp	19 “	98,893.39			
Stouffville	17 “	16,892.38	Grand total		$48,907,432.01

NIAGARA SYSTEM

Rural Power Districts

Operating Account for Year Ended October 31, 1940

Revenue from customers in rural power districts		$3,148,060.18
Cost of power as provided to be paid under Power Commission Act	$1,413,431.89	
Cost of operation, maintenance and administration	776,828.50	
Interest	508,073.34	
Provision for renewals	216,388.78	
Provision for sinking fund	114,960.11	
		3,029,682.62
Balance		$118,377.56

NIAGARA SYSTEM—RURAL LINES

Statement showing Interest, Renewals, Contingencies and Obsolescence and Sinking Fund charged by the Commission to the Municipalities which operate the respective rural lines for the year ended October 31, 1940

Operated by	Capital cost	Interest	Provision for renewals	Provision for contingencies and obsolescence	Provision for sinking fund	Total interest, renewals, contingencies and obsolescence, and sinking fund charged
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Milton..........	440.82	21.86	8.82	4.41	7.93	43.02
Welland........	19,617.60	823.94	392.35	196.18	353.12	1,765.59
Totals........	20,058.42	845.80	401.17	200.59	361.05	1,808.61

NIAGARA SYSTEM—RURAL LINES

Statement showing the total Sinking Fund in respect of each line, together with interest allowed thereon to October 31, 1940

	Period of years ended October 31, 1940	Amount
		$ c.
Milton..	27 years	351.43
Welland..	28 years	16,755 68
Total..	....	17,107.11

GEORGIAN BAY

Statement showing the amount to be paid by each Municipality as the Cost—under received by the Commission from each Municipality on account of such cost; upon ascertainment (by annual adjustment) of the actual Cost

Municipality	Interim rates per horsepower collected by Commission during year To Oct. 31, 1940	Share of capital cost of system	Average horsepower supplied in year after correction for power factor	Share of operating		
				Cost of power purchased	Operating, maintenance and administrative expenses	Interest
	$ c.	$ c.		$ c.	$ c.	$ c.
Alliston	48.00	108,392.51	324.0	824.83	4,271.76	5,024.42
Arthur	63.00	66,538.11	161.2	410.38	3,632.21	3,032.88
Barrie	32.50	814,875.36	3,613.8	9,199.91	33,334.44	37,553.73
Beaverton	40.00	60,157.83	231.8	590.11	2,948.45	2,777.02
Beeton	60.00	46,509.58	100.6	256.10	2,044.28	2,186.40
Bradford	50.00	65,086.96	186.7	475.30	2,773.07	3,024.05
Brechin	48.50	17,227.69	52.4	133.40	818.52	801.74
Cannington	40.50	46,188.86	173.5	441.69	2,217.51	2,136.57
Chatsworth	41.00	19,667.94	74.4	189.41	984.21	906.88
Chesley	35.50	141,362.02	548.9	1,397.37	5,550.90	6,549.46
Coldwater	35.00	44,391.80	164.7	419.29	1,696.11	2,052.56
Collingwood	37.00	435,517.41	1,771.8	4,510.60	17,572.56	20,050.09
Cookstown	45.00	23,159.77	73.1	186.10	900.07	1,074.22
Creemore	48.00	44,169.64	140.8	358.44	1,907.09	2,001.57
Dundalk	37.00	60,956.99	244.8	623.21	2,814.94	2,828.84
Durham	39.00	97,083.07	363.1	924.37	4,618.86	4,539.13
Elmvale	39.50	42,755.12	171.4	436.35	2,254.99	1,975.63
Elmwood	42.50	17,404.88	63.7	162.17	873.51	806.15
Flesherton	45.00	20,857.45	74.3	189.15	1,240.02	976.19
Grand Valley	53.00	42,051.58	118.8	302.44	2,209.35	1,904.32
Gravenhurst	25.00	177,252.23	962.5	....	7,758.53	8,437.28
Hanover	32.00	270,992.81	1,157.2	2,945.97	10,618.05	12,522.62
Holstein	80.00	8,512.64	17.2	43.79	562.62	401.44
Huntsville	28.00	269,331.07	1,209.4	....	10,944.92	12,849.78
Kincardine	45.00	211,050.67	684.2	1,741.82	7,758.42	9,778.69
Kirkfield	56 00	10,939.98	25.8	65.68	442.21	513 15
Lucknow	51.00	82,839.23	232.1	590.87	3,309.67	3,855.27
Markdale	37.00	44,900.94	181.4	461.80	2,106.86	2,074.16
Meaford	40.00	158,318.10	575.9	1,466.11	6,040.15	7,336.99
Midland	31.50	703,640.88	3,119.9	7,942.56	28,321.98	32,469.95
Mildmay	45.00	37,695.78	123.8	315 17	1,504.40	1,741.68
Mount Forest	44.00	149,446.93	527.0	1,341.62	6,868.36	7,148.01
Neustadt	55.00	13,018.80	41.6	105.90	695.14	601.91
Orangeville	44.00	201,252.27	665.4	1,693.96	9,067.49	9,371.87
Owen Sound	32 00	1,025,529.93	4,364.7	11,111 54	41,084.00	46,777.12

the Power Commission Act—of power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality of Power supplied to it in the year ended October 31, 1940

costs and fixed charges				Revenue received in excess of cost of power sold to private companies (Credit)	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,503.83	372.88	1,296.00	1,115.46	55.20	14,353.98	15,549.60	1,195.62
968.84	221.57	644.80	671.14	27.46	9,554.36	10,154.57	600.21
8,910.18	3,065.59	14,455.20	8,301.53	615.68	114,204.90	117,447.95	3,243.05
729.31	223.86	927.20	615.56	39.49	8,772.02	9,273.65	501.63
727.39	154.13	402.40	483.47	17.14	6,237.03	6,038.00	(199.03)
918.64	225.92	746.80	670.18	31.81	8,802.15	9,334.58	532.43
237.44	62.83	209.60	177.36	8.93	2,431.96	2,540.17	108.21
568.81	171.28	694.00	472.80	29.56	6,673.10	7,026.43	353.33
240.81	77.74	297.60	201.11	12.68	2,885.08	3,050.06	164.98
1,705.25	545.50	2.195.60	1,446.18	93.52	19,296.74	19,486.84	190.10
551.15	174.21	658.80	454.72	28.06	5,978.78	5,765.99	(212.79)
5,074.01	1,628.04	7,087.20	4,441.56	301.86	60.062.20	65,555.67	5,493.47
313.20	86.89	292.40	237.93	12.45	3,078.36	3,291.01	212.65
575.96	154.94	563.20	443.90	23.99	5,981.11	6,756.00	774.89
721.02	233.09	979.20	624.18	41.71	8,782.77	9,057.72	274.95
1,216.10	373.20	1,452.40	1,003.02	61.86	14,065.22	14,161.45	96.23
504.73	164.71	685.60	436.97	29.20	6,429.78	6,770.33	340.55
217.89	70.13	254.80	178.36	10.85	2,552.16	2,706.19	154.03
269.57	77.09	297.20	216.16	12.66	3,252.72	3,342.39	89.67
574.31	145.83	475.20	421.06	20.24	6,012.27	6,298.17	285.90
1,686.26	710.07	3,850.00	1,849.39	163.98	24,127.55	24,063.56	(63.99)
3,054.31	1,062.92	4,628.80	2,764.18	197.15	37,399.70	37,028.96	(370.74)
135.89	26.69	68.80	88.73	2.93	1,325.03	1,378.66	53.63
3,051.81	1,010.75	4,837.60	2,815.01	206.05	35,303.82	33,864.10	(1,439.72)
2,823.14	744.12	2.736.80	2,169.92	116.57	27,636.34	30,789.81	3,153.47
166.06	36.70	103.20	113.20	4.40	1,435.80	1,442.02	6.22
1,182.58	287.59	928.40	854.50	39.54	10,969.34	11,836.69	867.35
527.20	166.76	725.60	458.80	30.91	6,490.27	6,710.58	220.31
1,989.10	583.87	2,303.60	1,622.61	98.12	21,244.31	23,034.66	1,790.35
7,695.11	2,592.78	12,479.60	7,168.37	531.54	98,138.81	98,277.11	138.30
498.91	140.16	495.20	386.36	21.09	5,060.79	5,569.90	509.11
2,000.66	557.64	2,108.00	1,579.84	89.78	21,514.35	23,187.44	1,673.09
175.34	46.40	166.40	133.87	7.09	1,917.87	2,288.02	370.15
2,671.07	716.56	2.661.60	2,071.08	113.36	28,140.27	29,277.57	1,137.30
11,326.93	3,806.20	17.458.80	10,324.13	743.62	141,145.10	139,669.33	(1,475.77)

GEORGIAN BAY

Statement showing the amount to be paid by each Municipality as the Cost—under received by the Commission from each Municipality on account of such cost; upon ascertainment (by annual adjustment) of the actual Cost

Municipality	Interim rates per horsepower collected by Commission during year	Share of capital cost of system	Average horsepower supplied in year after correction for power factor	Share of operating		
	To Oct. 31, 1940			Cost of power purchased	Operating, maintenance and administrative expenses	Interest
	$ c.	$ c.		$ c.	$ c.	$ c.
Paisley	50.00	45,767.23	132.1	336.30	1,725.48	2,127.82
Penetanguishene	36.50	214,333.46	861.3	2,192.67	8,402.73	9,895.83
Port Elgin	39.00	127,244.73	426.5	1,085.77	4,825.10	5,793.70
Port McNicoll	37.00	23,811.47	88.3	224.79	999.02	1,103.83
Port Perry	46.50	87,795.66	272.2	692.96	3,365.39	4,078.53
Priceville	50.00	3,683.38	10.0	25.46	224.01	173.13
Ripley	65.00	37,100.10	87.3	222.25	1,629.43	1,732.76
Rosseau	80.00	24,418.25	37.7	....	859.91	1,158.75
Shelburne	42.00	74,480.26	260.4	662.92	3,555.63	3,464.21
Southampton	39.00	100,725.43	347.7	885.17	3,951.69	4,604.06
Stayner	38.00	71,289.65	261.4	665.47	3,075.28	3,105.97
Sunderland	54.00	27,937.02	80.0	203.66	1,164.60	1,297.75
Tara	42.00	31,617.24	104.8	266.80	1,368.36	1,389.29
Teeswater	50.00	48,406.66	142.6	363.03	2,023.37	2,249.73
Thornton	60.00	13,330.83	33.5	85.28	510.26	619.45
Tottenham	70.00	38,672.36	76.1	193.73	2,019.82	1,776.90
Uxbridge	48.50	104,031.89	314.2	799.88	3,890.20	4,839.89
Victoria Harbour	38.00	20,498.67	77.4	197.04	957.82	955.07
Walkerton	34.00	187,091.07	794.1	2,021.60	7,725.88	8,625.60
Waubaushene	38.00	26,016.26	104.9	267.05	1,253.91	1,191.86
Wiarton	54.00	118,398.52	313.8	798.86	4,630.07	5,445.10
Windermere	55.00	15,927.58	43.5	....	674.25	751.09
Wingham	50.00	171,756.04	503.7	1,282.31	5,822.00	7,975.29
Woodville	54.00	26,054.81	76.7	195.26	1,065.35	1,207.23
Totals—Municipalities		7,219,465.40	27,992.1	65,525.67	297,465.21	333,644.61
Totals—Rural Power districts		1,840,568.41	6,683.0	18,288.50	69,666.89	85,170.38
Totals—Companies		343,270.00	1,307.1	3,327.61	12,781.02	15,829.09
Totals—Local distribution systems		256,444.02	542.0	1,379.82	13,108.65	11,613.27
		9,659,747.83				
Non-operating capital		181,053.35				
Grand totals		9,840,801.18	36,524.2	88,521.60	393,021.77	446,257.35

SYSTEM *G.B.—COST OF POWER*

the Power Commission Act—of power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality of Power supplied to it in the year ended October 31, 1940

costs and fixed charges				Revenue received in excess of cost of power sold to private companies (Credit)	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
645.33	163.61	528.40	471.74	22.51	5,976.17	6,603.76	627.59
2,526.00	792.39	3,445.20	2,190.41	146.74	29,298.49	31,437.07	2,138.58
1,614.23	443.39	1,706.00	1,275.98	72.66	16,671.51	16,631.59	(39.92)
295.73	93.98	353.20	243.91	15.04	3,299.42	3,266.50	(32.92)
1,199.48	302.85	1,088.80	903.47	46.37	11,585.11	12,659.25	1,074.14
53.38	15.68	40.00	38.09	1.70	568.05	499.94	(68.11)
563.64	123.03	349.20	383.97	14.87	4,989.41	5,676.14	686.73
415.58	75.02	150.80	256.47	6.42	2,910.11	3,015.35	105.24
959.74	280.73	1,041.60	765.45	44.36	10,685.92	10,935.76	249.84
1,269.79	358.54	1,390.80	1,015.91	59.24	13,416.72	13,562.13	145.41
809.53	259.67	1,045.60	687.37	44.53	9,604.36	9,933.10	328.74
395.06	95.58	320.00	287.92	13.63	3,750.94	4,321.80	570.86
383.59	114.84	419.20	306.66	17.85	4,230.89	4,400.55	169.66
676.79	187.71	570.40	498.79	24.29	6,545.53	7,128.74	583.21
197.99	49.15	134.00	137.70	5.71	1,728.12	2,010.50	282.38
604.34	121.78	304.40	394.21	12.97	5,402.21	5,325.83	(76.38)
1,438.35	360.27	1,256.80	1,071.19	53.53	13,603.05	15,236.28	1,633.23
251.75	77.73	309.60	209.87	13.19	2,945.69	2,939.62	(6.07)
2,119.41	718.19	3,176.40	1,909.20	135.29	26,160.99	26,999.53	838.54
302.65	103.40	419.60	264.15	17.87	3,784.75	3,985.57	200.82
1,697.00	401.56	1,255.20	1,206.97	53.46	15,381.30	16,945.92	1,564.62
234.57	55.94	174.00	166.96	7.41	2,049.40	2,392.05	342.65
2,402.14	602.13	2,014.80	1,767.94	85.82	21,780.79	25,187.16	3,406.37
364.17	89.81	306.80	268.36	13.07	3,483.91	4,140.00	656.09
86,933.05	26,605.62	111,968.40	73,735.33	(4,769.01)	991,108.88	1,027,259.32	40,135.88 (3,985.44)
23,391.77	6,846.61	26,732.00	18,814.61	(1,138.58)	247,772.18	247,772.18	....
4,161.24	1,273.71	29,106.42	3,496.73	5,651.00	75,626.82	75,626.82	....
3,844.18	1,518.02	....	2,565.43	256.59	34,285.96	34,285.96	....
118,330.24	36,243.96	167,806.82	98,612.10	....	1,348,793.84	1,384,944.28	40,135.88 (3,985.44)

GEORGIAN BAY

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1940, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1939	
		Credit	Charge
		$ c.	$ c.
Alliston	June 1918	1,509.42	
Arthur	Dec. 1916	309.22	
Barrie	April 1913	1,922.25	
Beaverton	Nov. 1914	568.42	
Beeton	Aug. 1918	160.26	
Bradford	Oct. 1918	731.11	
Brechin	Jan. 1915	80.93	
Cannington	Nov. 1914	220.59	
Chatsworth	Dec. 1915	198.56	
Chesley	July 1916		174.45
Coldwater	Mar. 1913	388.45	
Collingwood	Mar. 1913	3,490.88	
Cookstown	May 1918	158.27	
Creemore	Nov. 1914	466.10	
Dundalk	Dec. 1915		235.36
Durham	Dec. 1915	86.64	
Elmvale	June 1913	154.08	
Elmwood	April 1918	75.00	
Flesherton	Dec. 1915	136.71	
Grand Valley	Dec. 1916	104.01	
Gravenhurst	Nov. 1915		1,635.80
Hanover	Sept. 1916		665.74
Holstein	May 1916	13.09	
Huntsville	Sept. 1916		3,073.41
Kincardine	Mar. 1921	2,427.81	
Kirkfield	June 1920		31.77
Lucknow	Jan. 1921	961.24	
Markdale	Mar. 1916	169.11	
Meaford	Jan. 1924	616.17	
Midland	July 1911		1,342.99
Mildmay	Dec. 1932	482.70	
Mount Forest	Dec. 1915	217.02	
Neustadt	Dec. 1918	249.62	
Orangeville	July 1916	210.12	
Owen Sound	Dec. 1915		2,798.39

SYSTEM *G.B.—CREDIT OR CHARGE*

power supplied to it to October 31, 1939, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1940

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1940		Accumulated amount standing as a credit or charge on October 31, 1940	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
	1,509.42	1,195.62		1,195.62	
	309.22	600.21		600.21	
	1,922.25	3,243.05		3,243.05	
	568.42	501.63		501.63	
	160.26		199.03		199.03
	731.11	532.43		532.43	
	80.93	108.21		108.21	
	220.59	353.33		353.33	
	198.56	164.98		164.98	
174.45		190.10		190.10	
	388.45		212.79		212.79
	3,490.88	5,493.47		5,493.47	
	158.27	212.65		212.65	
	466.10	774.89		774.89	
235.36		274.95		274.95	
	86.64	96.23		96.23	
	154.08	340.55		340.55	
	75.00	154.03		154.03	
	136.71	89.67		89.67	
1,117.39	104.01	285.90		1,403.29	
			63.99		1,699.79
665.74			370.74		370.74
	13.09	53.63		53.63	
2,000.00			1,439.72		2,513.13
	2,427.81	3,153.47		3,153.47	
31.77		6.22		6.22	
	961.24	867.35		867.35	
	169.11	220.31		220.31	
	616.17	1,790.35		1,790.35	
1,342.99		138.30		138.30	
	482.70	509.11		509.11	
	217.02	1,673.09		1,673.09	
	249.62	370.15		370.15	
	210.12	1,137.30		1,137.30	
2,798.39			1,475.77		1,475.77

GEORGIAN BAY

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1940, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1939	
		Credit	Charge
		$ c.	$ c.
Paisley	Sept. 1923	472.79	
Penetanguishene	July 1911	1,182.45	
Port Elgin	Mar. 1931		649.62
Port McNicoll	Jan. 1915	20.69	
Port Perry	Sept. 1922	658.84	
Priceville	Mar. 1920		40.24
Ripley	Jan. 1921	328.14	
Rosseau	July 1931	160.43	
Shelburne	July 1916	51.75	
Southampton	Feb. 1931		321.09
Stayner	Oct. 1913	370.27	
Sunderland	Nov. 1914	395.91	
Tara	Feb. 1918		67.47
Teeswater	Dec. 1920	582.37	
Thornton	Nov. 1918	228.46	
Tottenham	Oct. 1918	445.48	
Uxbridge	Sept. 1922	690.19	
Victoria Harbour	July 1914		336.81
Walkerton	Feb. 1931	1,121.06	
Waubaushene	Dec. 1914	291.33	
Wiarton	May 1931	1,397.99	
Windermere	June 1930	260.01	
Wingham	Dec. 1920	1,808.66	
Woodville	Nov. 1914	528.92	
Totals—Municipalities		27,103.52	11,373.14
Totals—Rural power districts		75,052.43	215,842.32
Grand totals		102,155.95	227,215.46

SYSTEM *G.B.—CREDIT OR CHARGE*

power supplied to it to October 31, 1939, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1940

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1940		Accumulated amount standing as a credit or charge on October 31, 1940	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
...	472.79	627.59	...	627.59	...
...	1,182.45	2,138.58	...	2,138.58	...
649.62	...	...	39.92	...	39.92
...	20.69	...	32.92	...	32.92
...	658.84	1,074.14	...	1,074.14	...
40.24	...	...	68.11	...	68.11
...	328.14	686.73	...	686.73	...
...	160.43	105.24	...	105.24	...
...	51.75	249.84	...	249.84	...
321.09	...	145.41	...	145.41	...
...	370.27	328.74	...	328.74	...
...	395.91	570.86	...	570.86	...
67.47	...	169.66	...	169.66	...
...	582.37	583.21	...	593.21	...
...	228.46	282.38	...	282.38	...
...	445.48	...	76.38	...	76.38
...	690.19	1,633.23	...	1,633.23	...
336.81	...	...	6.07	...	6.07
...	1,121.06	838.54	...	838.54	...
...	291.33	200.82	...	200.82	...
...	1,397.99	1,564.62	...	1,564.62	...
...	260.01	342.65	...	342.65	...
...	1,808.66	3,406.37	...	3,406.37	...
...	528.92	656.09	...	656.09	...
9,781.32	27,103.52	40,135.88	3,985.44	41,253.27	6,694.65
4,492.86	13,640.96	12,159.39	65,945.87	85,499.40	289,223.87
14,274.18	40,744.48	52,295.27	69,931.31	126,752.67	295,918.52

GEORGIAN BAY SYSTEM *G.B.—SINKING FUND*

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1940

Municipality	Period of years ended Oct. 31, 1940	Amount	Municipality	Period of years ended Oct. 31, 1940	Amount
		$ c.			$ c.
Alliston	17 years	23,557.73	Mildmay	8 years	3,072.72
Arthur	19 "	19,823.79	Mount Forest	20 "	32,980.23
Barrie	22 "	153,510.23	Neustadt	17 "	6,573.38
Beaverton	21 "	20,975.99	Orangeville	19 "	44,834.16
Beeton	17 "	15,829.66	Owen Sound	20 "	211,262.23
Bradford	17 "	18,473.49	Paisley	16 "	11,135.06
Brechin	21 "	7,838.87	Penetanguishene	24 "	64,110.98
Cannington	21 "	15,841.57	Port Elgin	10 "	11,109.74
Chatsworth	20 "	4,509.69	Port McNicoll	21 "	6,404.87
Chesley	19 "	36,791.95	Port Perry	16 "	17,606.55
Coldwater	22 "	15,370.19	Priceville	16 "	972.44
Collingwood	22 "	138,484.05	Ripley	16 "	7,832.45
Cookstown	17 "	5,449.94	Rosseau	10 "	3,417.69
Creemore	21 "	12,133.47	Shelburne	19 "	19,415.32
Dundalk	20 "	12,805.92	Southampton	10 "	9,637.12
Durham	20 "	31,646.48	Stayner	22 "	16,774.21
Elmvale	22 "	15,413.47	Sunderland	21 "	10,414.38
Elmwood	17 "	4,181.99	Tara	17 "	8,579.18
Flesherton	20 "	6,754.40	Teeswater	16 "	12,423.43
Grand Valley	19 "	12,306.58	Thornton	17 "	3,418.29
Gravenhurst	20 "	28,956.02	Tottenham	17 "	10,782.86
Hanover	19 "	83,031.19	Uxbridge	16 "	18,727.06
Holstein	19 "	2,736.95	Victoria Harbour	21 "	6,613.35
Huntsville	19 "	59,945.50	Walkerton	10 "	18,027.62
Kincardine	16 "	42,791.79	Waubaushene	21 "	4,425.18
Kirkfield	16 "	3,253.27	Wiarton	10 "	13,777.77
Lucknow	16 "	19,737.42	Windermere	11 "	2,391.04
Markdale	19 "	10,389.71	Wingham	16 "	36,864.07
Meaford	16 "	30,007.26	Woodville	21 "	10,168.16
Midland	22 "	221,065.64			
			Total—Municipalities		$1,697,365.75
			Total—Rural power districts		312,264.06
			Grand total		$2,009,629.81

GEORGIAN BAY SYSTEM

Rural Power Districts

Operating Account for Year Ended October 31, 1940

Revenue from customers in rural power districts		$522,873.55
Cost of power as provided to be paid under Power Commission Act	$247,772.18	
Cost of operation, maintenance and administration	144,388.77	
Interest	113,474.64	
Provision for renewals	45,957.27	
Provision for sinking fund	25,067.17	
		576,660.03
Balance		$53,786.48

GEORGIAN BAY SYSTEM—RURAL LINES

Statement showing Interest, Renewals, Contingencies and Obsolescence and Sinking Fund charged by the Commission to the Municipality which operates the rural line for the year ended October 31, 1940

Operated by	Capital cost	Interest	Provision for renewals	Provision for contingencies and obsolescence	Provision for sinking fund	Total interest, renewals, obsolescence, contingencies and sinking fund charged
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Brechin	922.02	48.22	18.44	9.22	16.60	92.48

GEORGIAN BAY SYSTEM—RURAL LINES

Statement showing the total Sinking Fund paid in respect of this line, together with interest allowed thereon to October 31, 1940

	Period of years ended October 31, 1940	Amount
		$ c.
Brechin	22 years	530.88

EASTERN ONTARIO

Statement showing the amount to be paid by each Municipality as the Cost—under received by the Commission from each Municipality on account of such cost; upon ascertainment (by annual adjustment) of the actual Cost of

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horsepower supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1939	From Jan. 1, 1940			Cost of power purchased	Operating, maintenance and administrative expenses	Interest
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.
Alexandria	52.00	52.00	75,528.23	203.1	1,313.67	1,927.97	3,503.29
Apple Hill	44.00	44.00	12,025.16	44.0	284.60	466.23	554.71
Arnprior	30.00	30.00	144,441.70	1,034.2	6,689.32	6,871.91	6,512.26
Athens	45.00	45.00	34,036.55	106.8	690.79	792.16	1,572.82
Bath	56.00	56.00	12,564.97	35.6	230.26	363.26	576.71
Belleville	26.00	26.00	885,058.44	5,954.2	38,512.44	29,454.06	39,993.40
Bloomfield	47.00	47.00	33,041.94	112.7	728.96	1,103.98	1,500.98
Bowmanville	31.00	31.00	457,942.51	2,477.0	16,021.52	17,356.61	20,877.01
Brighton	32.00	32.00	66,371.36	348.4	2,253.49	2,260.39	3,030.59
Brockville	26.00	26.00	596,916.81	3,907.5	25,274.15	21,150.05	27,006.65
Cardinal	28.00	30.00	44,842.75	291.0	1,882.22	1,877.97	2,035.72
Carleton Place	28.00	28.00	266,113.32	1,734.1	11,216.35	8,780.85	12,020.08
Chesterville	33.00	33.00	55,276.34	272.0	1,759.33	1,925.03	2,529.03
Cobden	60.00	60.00	23,604.88	66.8	432.07	636.47	1,085.25
Cobourg	31.00	31.00	370,488.77	2,034.7	13,160.67	14,894.45	16,513.59
Colborne	33.00	33.00	42,560.36	199.3	1,289.09	1,565.02	1,958.48
Deseronto	46.00	46.00	47,118.29	161.4	1,043.95	1,608.41	2,170.82
Finch	42.00	42.00	23,240.25	87.8	567.90	759.68	1,070.17
Hastings	42.00	42.00	26,690.45	105.7	683.68	913.30	1,226.86
Havelock	46.50	46.50	47,663.22	151.2	977.98	1,420.65	2,200.50
Iroquois Village	....	27.50	27,525.93	186.9	1,208.89	1,343.10	1,194.71
Kemptville	35.00	35.00	71,392.90	359.0	2,322.05	2,240.53	3,389.48
Kingston	27.00	28.00	1,550,278.07	9,275.7	59,996.27	50,844.60	70,618.73
Lakefield	37.00	37.00	71,930.90	295.8	1,913.27	2,344.62	3,305.87
Lanark	40.00	40.00	22,568.82	86.2	557.55	687.23	1,012.03
Lancaster	60.00	55.00	18,430.88	47.1	304.65	553.14	794.35
Lindsay	34.00	34.00	518,626.18	2,742.2	17,736.86	22,697.30	23,623.89
Madoc	44.00	46.50	51,417.77	185.9	1,202.42	2,473.96	2,390.26
Marmora	38.00	38.00	30,745.50	131.2	848.62	1,085.98	1,410.87
Martintown	42.00	40.00	7,732.10	35.9	232.21	354.77	352.15
Maxville	48.00	48.00	30,851.38	93.3	603.47	810.42	1,429.63
Millbrook	40.00	42.00	20,462.81	85.2	551.08	925.46	941.29
Morrisburg	32.50	32.50	37,785.33	200.3	1,295.56	1,520.59	1,722.68
Napanee	30.00	30.00	212,758.03	1,209.7	7,824.48	8,048.50	9,679.96
Newcastle	32.50	33.50	28,949.59	142.7	923.00	1,047.32	1,317.81

SYSTEM

E.O.—COST OF POWER

the Power Commission Act—of Power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality Power supplied to it in the year ended October 31, 1940

costs and fixed charges				Revenue received in excess of cost of power sold to private companies (Credit)	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,279.48	241.35	812.40	781.34	89.32	9,770.18	10,560.32	790.14
190.44	44.84	176.00	123.60	19.35	1,821.07	1,933.79	112.72
1,712.10	598.44	4,136.80	1,449.85	454.80	27,515.88	31,026.64	3,510.76
559.17	109.76	427.20	351.04	46.97	4,455.97	4,805.64	349.67
189.80	37.49	142.40	129.44	15.66	1,653.70	1,990.80	337.10
7,549.58	2,854.17	23,816.80	8,910.20	2,618.43	148,472.22	154,808.98	6,336.76
460.12	103.09	450.80	335.66	49.56	4,634.03	5,298.86	664.83
4,930.32	1,525.10	9,908.00	4,648.96	1,089.29	74,178.23	76,786.49	2,608.26
733.02	234.51	1,393.60	674.72	153.21	10,427.11	11,149.87	722.76
7,490.71	2,287.45	15,630.00	6,015.98	1,718.37	103,136.62	101,595.65	(1,540.97)
566.05	181.43	1,164.00	452.34	127.97	8,031.76	8,627.77	596.01
3,349.17	1,007.09	6,936.40	2,682.92	762.59	45,230.27	48,553.47	3,323.20
796.28	208.25	1,088.00	563.48	119.62	8,749.78	8,974.65	224.87
396.10	80.12	267.20	243.97	29.38	3,111.80	4,009.00	897.20
3,773.79	1,229.71	8,138.80	3,673.43	894.78	60,489.66	63,076.47	2,586.81
514.76	157.55	797.20	436.22	87.64	6,630.68	6,577.21	(53.47)
667.03	176.97	645.60	484.97	70.98	6,726.77	7,423.06	696.29
364.99	80.72	351.20	238.72	38.61	3,394.77	3,688.30	293.53
353.51	91.59	422.80	273.73	46.48	3,918.99	4,438.70	519.71
695.35	154.73	604.80	491.42	66.49	6,478.94	7,031.01	552.07
316.91	105.95	747.60	265.96	82.19	5,100.93	5,140.70	39.77
1,076.74	268.07	1,436.00	757.28	157.87	11,332.28	12,565.87	1,233.59
15,192.27	4,862.71	37,102.80	15,687.22	4,079.10	250,225.50	258,034.46	7,808.96
934.02	231.06	1,183.20	736.94	130.08	10,518.90	10,944.36	425.46
342.20	78.71	344.80	225.88	37.91	3,210.49	3,445.99	235.50
290.55	55.86	188.40	177.95	20.71	2,344.19	2,630.84	286.65
5,693.05	1,687.55	10,968.80	5,270.35	1,205.91	86,471.89	93,235.65	6,763.76
713.49	179.59	743.60	529.74	81.75	8,151.31	8,558.95	407.64
391.23	115.22	524.80	314.74	57.70	4,633.76	4,986.22	352.46
113.79	29.12	143.60	78.95	15.79	1,288.80	1,446.94	158.14
510.87	104.29	373.20	318.45	41.03	4,109.30	4,478.00	368.70
263.06	73.19	340.80	209.12	37.47	3,266.53	3,548.83	282.30
527.98	158.46	801.20	384.20	88.08	6,322.59	6,511.01	188.42
2,191.35	728.95	4,838.80	2,156.45	531.98	34,936.51	36,291.75	1,355.24
331.89	100.54	570.80	293.02	62.75	4,521.63	4,751.23	229.60

EASTERN ONTARIO

Statement showing the amount to be paid by each Municipality as the Cost—under received by the Commission from each Municipality on account of such cost; upon ascertainment (by annual adjustment) of the actual Cost of

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horsepower supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1939	From Jan. 1, 1940			Cost of power purchased	Operating, maintenance and administrative expenses	Interest
	$ c.	$ c.	$ c.		$ c.	$ c.	$ c.
Norwood	35.50	35.50	26,629.29	132.9	859.61	1,038.61	1,213.74
Omemee	....	35.00	31,406.36	149.6	967.63	1,145.23	1,435.22
Orono	37.00	40.00	21,121.35	86.6	560.14	759.13	970.60
Oshawa	30.50	30.50	2,815,412.95	15,258.2	98,691.76	98,241.54	128,357.11
Ottawa	....	....	964.71	19,747.2	217,218.81	151.30	45.63
Ottawa	20.50	20.50	1,155,702.22	11,316.3	73,195.11	51,612.32	53,189.76
Perth	28.00	28.00	235,170.54	1,543.6	9,984.18	8,137.65	10,588.49
Peterborough	26.00	26.00	1,553,372.21	10,071.9	65,146.19	52,334.96	70,396.31
Picton	39.50	39.50	267,441.52	1,099.1	7,109.10	8,411.00	12,238.09
Port Hope	32.50	32.50	370,430.56	2,142.1	13,855.34	16,680.92	16,799.01
Prescott	26.50	26.50	163,975.68	1,062.6	6,873.02	5,955.71	7,428.76
Richmond	50.00	50.00	19,435.50	64.2	415.25	545.55	891.63
Russell	46.00	46.00	22,415.52	67.4	435.95	705.26	1,036.69
Smiths Falls	25.00	25.00	319,516.74	2,375.6	15,365.65	11,730.68	14,364.66
Stirling	27.00	27.00	43,877.37	286.3	1,851.82	1,732.68	1,985.69
Trenton	24.00	24.00	553,968.42	3,926.1	25,394.46	17,949.76	25,026.09
Tweed	50.00	50.00	70,055.52	238.5	1,542.64	2,242.01	3,225.42
Warkworth	40.00	40.00	19,102.45	79.9	516.80	548.97	871.53
Wellington	38.00	38.00	43,204.12	182.9	1,183.02	1,495.23	1,945.15
Westport	55.00	55.00	38,436.66	94.2	609.30	851.00	1,779.22
Whitby	30.50	30.50	234,551.21	1,273.9	8,239.73	8,113.74	10,692.00
Williamsburg	28.00	30.00	21,591.84	127.6	825.33	913.83	986.74
Winchester	31.00	31.00	56,908.61	317.8	2,055.57	2,196.95	2,591.47
Totals—Municipalities			14,051,673.84	106,049.1	775,429.23	506,600.00	639,181.64
Totals—Rural power districts			2,073,201.42	11,884.5	90,533.21	70,574.18	93,552.39
Totals—Companies			3,789,957.07	22,682.2	159,029.33	120,042.58	172,701.46
Totals—Local distribution systems			88,839.27	366.8	2,372.51	7,252.77	4,088.80
Totals—Pulp mill			121,963.66	814.5	5,268.28	3,627.74	5,517.39
			20,125,635.26				
Non-operating capital			447,018.30				
Grand totals			20,572,653.56	141,797.1	1,032,632.56	708,097.27	915,041.68

SYSTEM *E.O.—COST OF POWER*

the Power Commission Act—of Power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality Power supplied to it in the year ended October 31, 1940

costs and fixed charges				Revenue received in excess of cost of power sold to private companies (Credit)	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
305.88	97.84	531.60	271.20	58.44	4,260.04	4,718.54	458.50
371.33	108.92	598.40	319.50	65.79	4,880.44	5,236.88	356.44
272.46	69.89	346.40	215.23	38.08	3,155.77	3,417.39	261.62
30,260.75	9,157.39	61,032.80	28,579.57	6,709.98	447,610.94	465,374.59	17,763.65
19.30	4.82	....	10.16	....	217,450.02	217,450.02	....
11,095.39	4,763.74	45,265.20	11,831.02	4,976.47	245,976.07	231,983.61	(13,992.46)
2,936.58	919.00	6,174.40	2,364.66	678.82	40,426.14	43,220.79	2,794.65
13,885.94	4,932.17	40,287.60	15,659.40	4,429.23	258,213.34	261,868.09	3,654.75
3,461.46	834.96	4,396.40	2,733.48	483.34	38,701.15	43,415.10	4,713.95
3,752.69	1.234.66	8.568.40	3,751.34	942.01	63.700.35	69,616.63	5,916.28
2,071.56	642.93	4,250.40	1,654.16	467.29	28,409.25	28,158.23	(251.02)
314.71	61.52	256.80	199.68	28.23	2,656.91	3,211.66	554.75
371.68	73.40	269.60	231.43	29.64	3,094.37	3,099.27	4.90
3,687.33	1,295.46	9.502.40	3,201.14	1,044.70	58,102.62	59,390.42	1,287.80
388.82	140.76	1,145.20	442.02	125.90	7,561.09	7,730.34	169.25
4,385.58	1,778.79	15,704.40	5,563.29	1,726.55	94,075.82	94,227.14	151.32
994.48	219.54	954.00	721.28	104.88	9,794.49	11,924.16	2,129.67
245.84	64.00	319.60	195.66	35.14	2,727.26	3,197.33	470.07
538.32	141.25	731.60	435.03	80.43	6,389.17	6.950.86	561.69
659.28	128.83	376.80	397 06	41.43	4.760.06	5.179.64	419.58
2,516.33	731.31	5,095.60	2,380.76	560.21	37,209.26	38,852.74	1,643.48
286.77	88.17	510.40	218.65	56.11	3,773.78	3,780.40	6.62
776.86	220.72	1,271.20	577.54	139.76	9.550.55	9.851.80	301.25
149,060.51	47,893.70	345,207.60	142.321.50	(37,952.25)	2.567.741.93	2.640.783.11	88,879.10 (15,837.92)
24,417.75	7,320.94	47,538.00	20,826.25	(5,226.35)	349,536.37	349,536.37	....
41,810.20	21,339.34	4,907.77	37,459.02	37,844.81	595,134.51	595,134.51	....
1,248.29	215.81	....	910.24	4,512.02	20,600.44	20,600.44	....
1,050.59	404.37	....	1,228.26	821.77	17,918.40	17,918.40	....
217,587.34	77,174.16	397,653.37	202,745.27	....	3,550,931.65	3,623,972.83	88,879.10 (15.837.92)

EASTERN ONTARIO

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1940, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1939	
		Credit	Charge
		$ c.	$ c.
Alexandria	Jan. 1921	400.86	
Apple Hill	April 1921	32.74	
Arnprior	Jan. 1939	29.16	
Athens	Jan. 1929	304.70	
Bath	Nov. 1931	334.53	
Belleville	April 1929	1,960.91	
Bloomfield	April 1919	444.08	
Bowmanville	Oct. 1931	471.83	
Brighton	Nov. 1929	19.96	
Brockville	April 1915	1,248.85	
Cardinal	July 1930		254.55
Carleton Place	May 1919	1,919.64	
Chesterville	April 1914	153.24	
Cobden	Nov. 1935	637.75	
Cobourg	Jan. 1932		757.05
Colborne	Jan. 1933	67.18	
Deseronto	Jan. 1931	623.74	
Finch	Feb. 1928	147.96	
Hastings	June 1931	203.78	
Havelock	Feb. 1921	457.70	
Iroquois Village	Feb. 1940		
Kemptville	Dec. 1921	1,203.33	
Kingston	Nov. 1937		9,040.45
Lakefield	Aug. 1920	290.93	
Lanark	Sept. 1921	172.03	
Lancaster	May 1921	280.83	
Lindsay	Mar. 1928	2,975.29	
Madoc	Jan. 1930		550.34
Marmora	Jan. 1921	197.71	
Martintown	May 1921	149.03	
Maxville	Feb. 1921	51.11	
Millbrook	Dec. 1938		140.54
Morrisburg	June 1938	194.70	
Napanee	Nov. 1929	496.15	
Newcastle	Jan. 1937		109.83

power supplied to it to October 31, 1939, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1940

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1940		Accumulated amount standing as a credit or charge on October 31, 1940	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
	400.86	790.14		790.14	
	32.74	112.72		112.72	
	29.16	3,510.76		3,510.76	
	304.70	349.67		349.67	
	334.53	337.10		337.10	
	1,960.91	6,336.76		6,336.76	
	444.08	664.83		664.83	
	471.83	2,608.26		2,608.26	
	19.96	722.76		722.76	
	1,248.85		1,540.97		1,540.97
254.55		596.01		596.01	
	1,919.64	3,323.20		3,323.20	
	153.24	224.87		224.87	
	637.75	897.20		897.20	
757.05		2,586.81		2,586.81	
	67.18		53.47		53.47
	623.74	696.29		696.29	
	147.96	293.53		293.53	
	203.78	519.71		519.71	
	457.70	552.07		552.07	
		39.77		39.77	
	1,203.33	1,233.59		1,233.59	
9,040.45		7,808.96		7,808.96	
	290.93	425.46		425.46	
	172.03	235.50		235.50	
	280.83	286.65		286.65	
	2,975.29	6,763.76		6,763.76	
550.34		407.64		407.64	
	197.71	352.46		352.46	
	149.03	158.14		158.14	
	51.11	368.70		368.70	
140.54		282.30		282.30	
	194.70	188.42		188.42	
	496.15	1,355.24		1,355.24	
109.83		229.60		229.60	

EASTERN ONTARIO

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1940, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1939	
		Credit	Charge
		$ c.	$ c.
Norwood	Feb. 1921	269.59	
Omemee	Jan. 1940		
Orono	Nov. 1938		234.36
Oshawa	Feb. 1929	1,435.24	
Ottawa	Jan. 1914		3,031.89
Perth	Feb. 1919	2,040.43	
Peterborough	Mar. 1913		3,321.76
Picton	April 1919	3,036.00	
Port Hope	Nov. 1929	3,360.68	
Prescott	Dec. 1913	100.88	
Richmond	Aug. 1928	319.74	
Russell	Feb. 1926	187.62	
Smiths Falls	Sept. 1918	932.44	
Stirling	Jan. 1930		7.02
Trenton	Sept. 1931		2,087.64
Tweed	Dec. 1930	1,043.38	
Warkworth	Oct. 1923	422.29	
Wellington	April 1919	551.35	
Westport	Nov. 1931	272.27	
Whitby	Jan. 1926	184.84	
Williamsburg	April 1915		284.24
Winchester	Jan. 1914	209.86	
Totals—Municipalities		29,836.33	19,819.67
Totals—Rural power districts		234,025.70	143,298.23
Grand totals		263,862.03	163,117.90

SYSTEM *E.O.—CREDIT OR CHARGE*

power supplied to it to October 31, 1939, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1940

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1940		Accumulated amount standing as a credit or charge on October 31, 1940	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
....	269.59	458.50	....	458.50	....
....	....	356.44	....	356.44	....
234.36	....	261.62	....	261.62	....
....	1,435.24	17,763.65	....	17,763.65	....
3,031.89	....	....	13,992.46	....	13,992.46
....	2,040.43	2,794.65	....	2,794.65	....
3,321.76	....	3,654.75	....	3,654.75	....
....	3,036.00	4,713.95	....	4,713.95	....
....	3,360.68	5,916.28	....	5,916.28	....
....	100.88	....	251.02	....	251.02
....	319.74	554.75	....	554.75	....
....	187.62	4.90	....	4.90	....
....	932.44	1,287.80	....	1,287.80	....
7.02	....	169.25	....	169.25	....
2,087.64	....	151.32	....	151.32	....
....	1,043.38	2,129.67	....	2,129.67	
....	422.29	470.07	....	470.07	....
....	551.35	561.69	....	561.69	....
....	272.27	419.58	....	419.58	....
....	184.84	1,643.48	....	1,643.48	....
284.24	....	6.62	....	6.62	....
....	209.86	301.25	....	301.25	....
19,819.67	29,836.33	88,879.10	15,837.92	88,879.10	15,837.92
10,493.52	11,577.89	45,224.83	39,289.60	282,541.70	186,963.37
30,313.19	41,414.22	134,103.93	55,127.52	371,420.80	202,801.29

E.O.—SINKING FUND

EASTERN ONTARIO SYSTEM

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with its proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1940

Municipality	Period of years ended Oct. 31, 1940	Amount	Municipality	Period of years ended Oct. 31, 1940	Amount
		$ c.			$ c.
Alexandria	16 years	30,582.24	Maxville	16 years	9,571.65
Apple Hill	16 "	3,309.57	Millbrock	2 "	453.70
Arnprior	2 "	3,551.63	Morrisburg	3 "	1,122.75
Athens	12 "	6,166.08	Napanee	11 "	40,894.07
Bath	9 "	2,044.09	Newcastle	4 "	1,487.46
Belleville	12 "	168,289.20	Norwood	12 "	5,913.85
Bloomfield	12 "	6,137.55	Omemee	1 "	379.83
Bowmanville	9 "	58,191.94	Orono	2 "	521.11
Brighton	11 "	11,133.98	Oshawa	12 "	515,383.90
Brockville	20 "	170,947.77	Ottawa	25 "	179,022.17
Cardinal	11 "	5,406.00	Perth	16 "	68,884.70
Carleton Place	16 "	78,430.75	Peterborough	12 "	302,639.20
Chesterville	21 "	27,197.35	Picton	12 "	52,235.23
Cobden	5 "	1,215.69	Port Hope	11 "	55,152.39
Cobourg	9 "	43,666.06	Prescott	21 "	48,260.84
Colborne	8 "	3,823.71	Richmond	13 "	2,847.30
Deseronto	10 "	6,924.86	Russell	15 "	5,562.47
Finch	13 "	4,298.06	Smiths Falls	17 "	100,208.98
Hastings	10 "	3,609.94	Stirling	11 "	8,586.69
Havelock	12 "	12,042.21	Trenton	9 "	75,059.39
Iroquois Village	1 "	341.33	Tweed	10 "	9,344.67
Kemptville	16 "	20,490.23	Warkworth	12 "	3,834.87
Kingston	3 "	61,806.97	Wellington	12 "	9,911.28
Lakefield	12 "	12,862.79	Westport	9 "	4,664.16
Lanark	16 "	6,176.43	Whitby	12 "	49,909.82
Lancaster	16 "	6,152.23	Williamsburg	20 "	6,259.54
Lindsay	12 "	92,719.93	Winchester	21 "	19,597.35
Madoc	11 "	7,675.73			
Marmora	12 "	5,530.56	Total—Municipalities		$2,440,518.23
Martintown	16 "	2,083.98	Total—Rural power districts		538,454.47
			Grand total		$2,978,972.70

EASTERN ONTARIO SYSTEM

Rural Power Districts

Operating Account for Year Ended October 31, 1940

Revenue from customers in rural power districts		$905,800.06
Cost of power as provided to be paid under Power Commission Act	$349,536.37	
Cost of operation, maintenance and administration	247,514.27	
Interest	184,609.33	
Provision for renewals	77,107.77	
Provision for sinking fund	41,097.09	
		899,864.83
Balance		$5,935.23

THUNDER BAY

Statement showing the amount to be paid by each Municipality as the Cost—under received by the Commission from each Municipality on account of such cost; upon ascertainment (by annual adjustment) of the actual Cost

Municipality	Interim rates per horsepower collected by Commission during year To Oct. 31, 1940	Share of capital cost of system	Average horsepower supplied in year after correction for power factor	Share of operating		
				Operating, maintenance and administrative expenses	Interest	Provision for renewals
	$ c.	$ c.		$ c.	$ c.	$ c.
Fort William	21.00	2,735,430.23	12,260.0	41,595.28	132,828.18	24,314.60
Township of Nipigon	28.00	33,560.77	169.6	1,392.37	1,622.53	276.84
Port Arthur	21.00	8,757,945.33	39,798.0	131,143.56	425,171.62	77,103.46
Totals—Municipalities		11,526,936.33	52,227.6	174,131.21	559,622.33	101,694.90
Totals—Rural power districts		129,439.38	452.7	1,668.95	6,285.42	1,317.83
Totals—Companies		4,917,080.52	22,655.9	88,390.83	238,758.99	40,664.24
Totals—Mining area—Mines		2,959,370.81	11,668.1	57,758.21	143,174.79	15,572.80
Totals—Mining area—Townsites		257,788.17	609.9	11,829.25	12,379.24	814.01
		19,790,615.21				
Non-operating capital		4,854.34				
Grand totals		19,795,469.55	87,614.2	333,778.45	960,220.77	160,063.78

THUNDER BAY

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made and interest added during the year. Also the net plied in the year ended October 31, 1940, and the accumulated amount

Municipality	Date commenced operating	Net credit or charge at October 31, 1939	
		Credit	Charge
		$ c.	$ c.
Fort William	Oct. 1926		206.99
Township of Nipigon	Jan. 1925	415.81	
Port Arthur	Dec. 1910	5,456.42	
Total—Municipalities		5,872.23	206.99
Total—Rural power districts			6,863.37
		5,872.23	7,070.36

SYSTEM *T.B.—COST OF POWER*

the Power Commission Act—of Power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality of Power supplied to it in the year ended October 31, 1940

costs and fixed charges			Cost in excess of revenue from power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality Credited (Charged)
Provision for contingencies and obsolescence	Provision for stablization of rates	Provision for sinking fund				
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
12,791.01	9,195.00	28,799.47	8,838.45	258,361.99	257,460.98	(901.01)
157.11	127.20	353.33	122.27	4,051.65	4,748.12	696.47
40,913.14	29,848.50	92,206.17	28,691.06	825,077.51	835,757.15	10,679.64
53,861.26	39,170.70	121,358.97	37,651.78	1,087,491.15	1,097,966.25	11,376.11 (901.01)
612.31	339.53	1,362.82	326.36	11,913.22	11,913.22	....
33,939.32	....	50,286.00	(37,978.14)	414,061.24	414,061.24	....
83,120.52	78,575.88	21,755.05	....	399,957.25	399,957.25	....
12,740.45	7,136.57	1,137.16	....	46,036.68	46,036.68	....
184,273.86	125,222.68	195,900.00	....	1,959,459.54	1,969,934.64	11,376.11 (901.01)

SYSTEM *T.B.—CREDIT OR CHARGE*

power supplied to it to October 31, 1939, the cash receipts and payments thereon amount Credited or Charged to each Municipality in respect of power supstanding as a Credit or Charge to each Municipality at October 31, 1940

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1940		Accumulated amount standing as a credit or charge on October 31, 1940	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
206.99	....	....	901.01	....	901.01
....	415.81	696.47	....	696.47	....
....	5,456.42	10,679.64	....	10,679.64	....
206.99	5,872.23	11,376.11	901.01	11,376.11	901.01
....	377.08	....	3,803.09	....	11,043.54
206.99	6,249.31	11,376.11	4,704.10	11,376.11	11,944.55

T.B.—SINKING FUND

THUNDER BAY SYSTEM

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1940

Municipality	Period of years ended October 31, 1940	Amount
		$ c.
Fort William	14 years	630,460.69
Township of Nipigon	14 "	5,255.82
Port Arthur	14 "	2,074,621.13
Total—Municipalities		2,710,337.64
Total—Rural power districts		16,013.04
Grand totals		2,726,350.68

T.B.—RURAL OPERATING

THUNDER BAY SYSTEM

Rural Power Districts

Operating Account for Year Ended October 31, 1940

Revenue from customers in rural power districts		$33,978.56
Cost of power as provided to be paid under Power Commission Act	$11,913.22	
Cost of operation, maintenance and administration	11,018.40	
Interest	9,118.08	
Provision for renewals	3,754.96	
Provision for sinking fund	1,976.99	
		37,781.65
Balance		$ 3,803.09

NORTHERN ONTARIO PROPERTIES

(Operated by The Hydro-Electric Power Commission of Ontario)

FINANCIAL ACCOUNTS

For the Year ended October 31, 1940

Relating to Power Properties which are held and operated by the Commission in trust for the Province of Ontario, and which are situated in the following Northern Districts:

Nipissing Sudbury Abitibi Patricia-St. Joseph

STATEMENTS

Balance Sheet as at October 31, 1940

Operating Account for the Year ended October 31, 1940

Schedules supporting the Balance Sheet as at October 31, 1940
    Fixed Assets—By Districts
    Renewals Reserves
    Contingency and Obsolescence Reserves
    Sinking Fund Reserves

NORTHERN ONTARIO

Held and Operated by The Hydro-Electric Power

Balance Sheet as at

ASSETS

FIXED ASSETS:			
Nipissing district		$1,374,747.19	
Sudbury district		4,319,166.19	
Abitibi district		28,932,701.49	
Patricia-St. Joseph district		4,385,624.13	
Kenogami river: Long Lake diversion		1,267,974.33	
Rural power districts		602,412.91	
		$40,882,626.24	
Less: Grants-in-aid of construction:			
Province of Ontario—for rural power districts		296,969.74	
			$40,585,656.50
CURRENT ASSETS:			
Employees' working funds		$4,925.00	
The Hydro-Electric Power Commission of Ontario—Current account		1,742,010.12	
Sundry accounts receivable		268,103.55	
Power accounts receivable		454,040.11	
Interest accrued		15,234.38	
Consumers' deposits—securities:			
Bonds at par value	$692,500.00		
Stocks at market value	18,250.00		
		710,750.00	
Prepayments		29,619.85	
			3,224,683.01
INVENTORIES:			
Maintenance materials and supplies		$115,719.95	
Maintenance tools and equipment		73,965.08	
			189,685.03
UNAMORTIZED DISCOUNT ON DEBENTURES			342,653.33
SINKING FUND INVESTMENTS			1,620,816.23
			$45,963,494.10

PROPERTIES

Commission of Ontario in Trust for the Province of Ontario

October 31, 1940

LIABILITIES AND RESERVES

LONG TERM LIABILITIES:		
Funded debt in the hands of the public	$29,560,000.00	
Advances from the Province of Ontario for capital expenditures	6,105,693.40	
		$35,665,693.40
CURRENT LIABILITIES:		
Power accounts—credit balances	$1,734.65	
Consumers' deposits	768,534.49	
Debenture interest accrued	108,783.32	
Miscellaneous accruals	1,865.73	
		880,918.19
RESERVES:		
Renewals	$2,346,438.19	
Contingencies and obsolescence	792,283.48	
Miscellaneous	316,970.48	
		3,455,692.15
SINKING FUND RESERVES:		
Represented by:		
Provincial advances repaid through sinking funds	$2,151,418.07	
Available balance	3,202,099.80	
		5,353,517.87
SURPLUS		607,672.49
		$45,963,494.10

Auditors' Certificate

We have examined the Accounts of the Northern Ontario Properties for the year ended the 31st October, 1940, and report that, in our opinion, the above Balance Sheet is properly drawn up so as to exhibit a true and correct view of the state of the affairs of Northern Ontario Properties at the 31st October, 1940, according to the best of our information and the explanations given to us and as shown by the books and records of the Properties. We have obtained all the information and explanations we have required.

OSCAR HUDSON AND CO.,
Chartered Accountants,
Auditors.

Dated at Toronto, Ontario,
31st March, 1941.

NORTHERN ONTARIO

EMBRACING THE NIPISSING, SUDBURY, ABITIBI,
NORTHERN RURAL POWER DISTRICTS,
Held and Operated by the Hydro-Electric
In Trust for the

Operating Account for the

COST OF OPERATION

Power purchased	$ 12,673.06
Operating, maintenance and administrative expenses	919,750.19
Interest	1,493,671.23
Provision for renewals	325,420.82
Provision for contingencies and obsolescence	199,465.99
Provision for sinking fund	1,076,817.06
Total cost	$ 4,027,798.35
Net income for year	1,038,395.47
	$ 5,066,193.82

PROPERTIES

PATRICIA-ST. JOSEPH DISTRICTS, AND LONG LAKE DIVERSION
Power Commission of Ontario
Province of Ontario

Year Ended October 31, 1940

REVENUE

Power sold to private companies and customers	$ 5,066,193.82
	$ 5,066,193.82

Surplus Account—as at October 31, 1940

Deficits to October 31, 1937	$ 453,656.61		
Add: Interest to October 31, 1938, on amounts advanced by Province of Ontario for operating deficits	107,761.71		
		$ 561,418.32	
Balance of Advances from Province of Ontario for operating deficits with interest thereon to October 31, 1939	$ 275,923.95		
Add: Interest due to February 29, 1940	2,744.04		
	$ 278,667.99		
Less: Repayment February 29, 1940	278,667.99		
Net income for the year ended October 31, 1938			$ 108,418.40
Net income for the year ended October 31, 1939			379,302.95
Net income for the year ended October 31, 1940			1,038,395.47
Rural Power Districts—surplus to October 31, 1939			24,315.79
Nipissing district surplus transferred to reserves		$ 381,341.80	
Balance at credit October 31, 1940		607,672.49	
		$1,550,432.61	$1,550,432.61

NORTHERN ONTARIO PROPERTIES

Held and Operated by The Hydro-Electric Power Commission of Ontario in Trust for the Province of Ontario

Fixed Assets—October 31, 1940

District and property	Net capital expenditures in the year	Fixed Assets				
		Under construction	In service			Total
			Water rights and intangible items	Physical property		
				Non-renewable	Renewable	
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Nipissing:						
Power Plants:						
South river:						
Nipissing	*2,252.61*			11,089.60	240,456.47	251,546.07
Bingham Chute	7,185.20			12,093.60	235,047.32	247,140.92
Elliot Chute	45.71			119,307.09	335,493.82	454,800.91
Storage Dams					76,122.70	76,122.70
Miscellaneous	*6,004.32*				386.14	386.14
Intangible			69,478.34			69,478.34
	1,026.02		69,478.34	142,490.29	887,506.45	1,099,475.08
Transformer Stations	*3,896.13*				27,659.70	27,659.70
Transmission Lines	2,240.76	2,967.50			208,604.56	211,572.06
Local Systems	*365,416.20*		2,219.65		33,820.70	36,040.35
	368,097.59	2,967.50	71,697.99	142,490.29	1,157,591.41	1,374,747.19
Sudbury:						
Power Plants:						
Wanapitei river:						
Coniston	55,477.16	3,749.60		13,200.00	726,596.70	743,546.30
McVitties	*5,381.39*	1,291.25		13,323.00	387,144.70	401,758.95
Stinson	797.69	744.17		33,000.00	641,886.51	675,630.68
Storage dam				25.00	194,870.00	194,895.00
Intangible			830,514.53			830,514.53
Sturgeon river:						
Crystal Falls and Storage Dam	60,502.32			44,056.02	846,566.43	890,622.45
	111,395.78	5,785.02	830,514.53	103.604.02	2,797,064.34	3,736,967.91
Transformer Stations	20,103.38	20,281.87			110,187.38	130,469.25
Transmission Lines	8,693.96	6,997.19			444,731.84	451,729.03
	140,193.12	33,064.08	830,514.53	103 604.02	3,351,983.56	4,319,166.19
Abitibi:						
Power Plants:						
Abitibi river:						
Abitibi Canyon	*28,228.33*	171.52	185,408.80	5,373,977.93	14,057,433.05	19,616,991.30
Frederick House Dam	*43,825.15*	12,479.96		360,435.95	680,976.03	1,053,891.94
	72,053.48	12,651.48	185,408.80	5,734,413.88	14,738,409.08	20,670,883.24
Transformer Stations	242,943.88	30,958.29		215,856.69	1,806,175.45	2,052,990.43
Transmission Lines	6,990.66	6,751.69		827,390.37	5,291,727.05	6,125,869.11
Local Systems	6,553.25				82,958.71	82,958.71
	184,434.31	50,361.46	185,408.80	6,777,660.94	21,919,270.29	28,932,701.49

NORTHERN ONTARIO PROPERTIES

Held and Operated by The Hydro-Electric Power Commission of Ontario in Trust for the Province of Ontario

Fixed Assets—October 31, 1940

District and property	Net capital expenditures in the year	Fixed Assets				
		Under construction	In service			Total
			Water rights and intangible items	Physical property		
				Non-renewable	Renewable	
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
PATRICIA-ST. JOSEPH:						
Power Plants:						
English river:						
Ear Falls	185,571.24	....	....	1,811,084.53		1,811,084.53
Albany river:						
Rat Rapids	*485.23*	....	....	674,105.04	....	674,105.04
Donation in aid of construction	....	....	....	*80,000.00*		*80,000.00*
	185,086.01	....	....	2,405,189.57	....	2,405,189.57
Transformer Stations	11,467.97	48.07	....	154,975.73	....	155,023.80
Transmission Lines	225,023.80	8,163.08	....	1,778,917.26	....	1,787.080.34
Local Systems	5,904.93	1,637.43	....	36,692.99	....	38,330.42
	427,482.71	9,848.58	....	4,375,775.55	....	4,385,624.13
KENOGAMI RIVER:						
Long Lake Diversion	7,365.69	5,180.22	....	1,262,794.11	....	1,267,974.33
NORTHERN ONTARIO PROPERTIES RURAL POWER DISTRICTS:						
Transformer Stations	758.42	....	....	....	6,344.52	6,344.52
H-E.P.C. Investments	119,537.94	264.02	....	....	298,834.63	299,098.65
Government Grants	119,537.95	264.02	....	....	296,705.72	296,969.74
	239,834.31	528.04	....	....	601,884.87	602,412.91

SUMMARY

District	Net capital expenditures in the year	Fixed Assets				
		Under construction	In service			Total
			Water rights and intangible items	Physical property		
				Non-renewable	Renewable	
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Nipissing district	*368,097.59*	2,967.50	71,697.99	142,490.29	1,157,591.41	1,374.747.19
Sudbury district	140,193.12	33,064.08	830,514.53	103,604.02	3,351,983.56	4,319,166.19
Abitibi district	184,434.31	50,361.46	185,408.80	6,777,660.94	21,919,270.29	28,932,701.49
Patricia district	427,482.71	9,848.58	....	4,375,775.55	....	4,385,624.13
Kenogami river–Long Lake diversion	7,365.69	5,180.22	....	1,262,794.11	....	1,267,974.33
Rural power districts	239,834.31	528.04	....	....	239,306.27	239,834.31
Rural power districts transferred from H-E.P.C.	362,578.60	....	....	....	362,578.60	362,578.60
	993,791.15	101,949.88	1,087,621.32	12,662,324.91	27,030,730.13	40,882,626.24
Less Grants in aid of construction:						
Province of Ontario for rural power districts	119,537.95	264.02	....	....	119,273.93	119,537.95
Transferred from H-E.P.C. as at October 31, 1939	177,431.79	....	....	....	177,431.79	177,431.79
	696,821.41	101,685.86	1,087,621.32	12,662,324.91	26,734,024.41	40,585,656.50

NORTHERN ONTARIO PROPERTIES

Embracing the Nipissing, Sudbury, Abitibi, Patricia-St. Joseph and Rural Power Districts

Held and Operated by The Hydro-Electric Power Commission of Ontario In Trust for the Province of Ontario

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Renewals Reserve—October 31, 1940

Balance at November 1, 1939		$2,128,303.65	
Deduct—Adjustments to October 31, 1939		17,255.03	
		$ 2,111,048.62	
Transferred from H-E.P.C.	$ 20,362.24		
Provision in the year	325,420.82		
Interest at 4% on reserve balance	82,323.35		
Adjustments re transfer of equipment	254.56		
		428,360.97	
		$ 2,539,409.59	
Deduct—Adjustments during the year	$ 4,668.76		
Allowance to North Bay re sale of local system	176,844.17		
		181,512.93	
Sub-total		$ 2,357,896.66	
Expenditures in the year		11,458.47	
Balance at October 31, 1940			$2,346,438.19

Contingencies and Obsolescence Reserve—October 31, 1940

Balance at November 1, 1939		$ 756,160.79	
Deduct—Adjustments to October 31, 1939		71,260.43	
		$ 684,900.36	
Transferred from H-E.P.C.	$ 4,337.72		
Provision in the year	199,465.99		
Interest at 4% on reserve balance	27,336.60		
		231,140.31	
		$ 916,040.67	
Contingencies met with during year		123,757.19	
Balance at October 31, 1940			$ 792,283.48

Sinking Fund Reserve—October 31, 1940

Balance at November 1, 1939		$ 3,922,904.45	
Adjustments to October 31, 1939		182,006.53	
		$ 4,104,910.98	
Transferred from H-E.P.C.	$ 7,301.33		
Provision in the year	1,076,817.06		
Interest at 4% on reserve balance	164,488.50		
		1,248,606.89	
Balance at October 31, 1940			$ 5,353,517.87

THE HAMILTON STREET RAILWAY COMPANY

(A Subsidiary of The Hydro-Electric Power Commission of Ontario—
Niagara System)

FINANCIAL ACCOUNTS

For the Year ended October 31, 1940

Balance Sheet as at October 31, 1940

Operating and Income Accounts for the Year ended October 31, 1940

THE HAMILTON STREET

(A Subsidiary of The Hydro-Electric Power

Balance Sheet as at

ASSETS

FIXED ASSETS:		
Properties, road and equipment, buses, franchise, etc		$4,113,890.13
CURRENT ASSETS:		
Cash in bank	$110,159.15	
Conductors' and employees' advances	12,000.00	
Accounts receivable	2,702.80	
Interest accrued	300.00	
Prepayments	5,863.30	
		131,025.25
MATERIALS AND SUPPLIES		47,734.62
DEFERRED ASSETS:		
Work in progress		127.63
RESERVE FUNDS—INVESTMENTS		267,921.25
		$4,560,698.88

RAILWAY COMPANY

Commission of Ontario—Niagara System)

October 31, 1940

LIABILITIES

CAPITAL STOCK:		
Authorized—80,000 shares at a par value of $50.00 each	$4,000,000.00	
Issued —64,100 shares at a par value of $50.00 each		$3,205,000.00
CURRENT LIABILITIES:		
Customer's deposit	$30.00	
THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO:		
Current account	27,112.86	27,142.86
RESERVES:		
Depreciation—road and equipment	$1.208,259.92	
Insurance	72,023.26	
Miscellaneous	39,101.43	1.319,384.61
SURPLUS		9,171.41
		$4,560,698.88

Auditors' Certificate

We have examined the Accounts of The Hamilton Street Railway Company for the year ended the 31st October, 1940, and report that, in our opinion, the above Balance Sheet is properly drawn up so as to exhibit a true and correct view of the state of the Company's affairs at the 31st October, 1940, according to the best of our information and the explanations given to us and as shown by the books of the Company. We have obtained all the information and explanations we have required.

OSCAR HUDSON AND CO.,
Chartered Accountants,
Auditors.

Dated at Toronto, Ontario,
31st March, 1941.

THE HAMILTON STREET RAILWAY COMPANY

(A Subsidiary of The Hydro-Electric Power Commission of Ontario—Niagara System)
Operating Statement for the Year Ended October 31, 1940

	Tramways	Buses	Total
	$ c.	$ c.	$ c.
REVENUES:			
Transportation	897,080.77	283,621.97	1,180,702.74
Other operations	11,363.13	641.42	12,004.55
	908,443.90	284,263.39	1,192,707.29
EXPENSES:			
Maintenance of way and structures	65,211.73	....	65,211.73
Maintenance of equipment	71,087.13	38,820.97	109,908.10
Power purchased	92,253.34	....	92,253.34
Transportation expenses	246,044.07	137,124.79	383,168.86
Traffic expenses	63.67	....	63.67
General and miscellaneous expenses	75,134.08	13,484.07	88,618.15
Depreciation provision	200,000.00	11,930.00	211,930.00
Taxes (municipal and franchise)	58,496.15	13,316.68	71,812.83
	808,290.17	214,676.51	1,022,966.68
NET REVENUE FOR YEAR	100,153.73	69,586.88	169,740.61

Surplus Account—as at October 31, 1940

	$ c.	$ c.
Balance at credit October 31, 1939	....	13,281.66
Transfer from miscellaneous reserves	....	3,376.80
Net revenue for year ended October 31, 1940	....	169,740.61
Income from investments—reserve funds	....	4,548.85
Appropriation for renewals reserve	3,032.57	....
Appropriation for insurance reserve	1,516.28	....
Dividend	177,227.66	....
Balance at credit October 31, 1940	9,171.41	....
	190,947.92	190,947.92

SECTION X

MUNICIPAL ACCOUNTS

and

Statistical Data Relating to Hydro-Electric Distribution Systems Operated by Individual Municipalities Served by The Hydro-Electric Power Commission of Ontario

The Municipal Accounts section of this report presents in summary, and individually, the results of the operation of the local electrical utilities in municipalities owning their own distributing systems and operating with energy supplied by or through The Hydro-Electric Power Commission.

Financial statements prepared from the books of these "Hydro" utilities are submitted herein to show how each has operated during the past year, and its financial status at the present time. Other tables give useful statistical information respecting average costs for the various classes of service and the rates in force.

The books of account of the electrical utilities in all municipalities which have contracted with The Hydro-Electric Power Commission of Ontario for a supply of power are kept in accordance with an accounting system designed by the Commission. During the year 1940 this standard method of accounting was installed in Iroquois and North Bay.

Periodical inspections are made of the books of all "Hydro" electrical utilities and local officials are assisted in the improvement of their office routine with a view to standardizing, as far as possible, the methods employed. In the majority of the smaller municipalities much of the book-keeping for the electrical utilities is performed by representatives of the municipal accounting department of the Commission as a measure of economy. This arrangement insures the correct application of the standard accounting system, with resultant uniformity in classification of revenues and expenditures; secures true reflections of the actual operating results for the year, and greatly enhances the comparative values of the reports.

The first financial statement in this section presents consolidtaed balance sheets for each year since 1913, and thus shows the march of progress. It combines the balance sheets of the local municipal utilities of all the systems. It is worth noting that the total plant value has increased from $10,081,469.16

in 1913 to $97,914,199.95 in 1940, and the total assets from $11,907,826.86 to $172,584,735.09. The liabilities have not increased in the same proportion as the assets, rising from $10,468,351.79 to a maximum of $52,685,316.86 in 1932, and receding to $26,923,638.58 in 1940. The reasons for this are the regular fulfilment of debt retirement schedules under serial debenture provisions or by maturity of sinking funds, and also the fact that much of the cost of the increasing plant value has been financed out of reserves and surplus without increasing the capital liabilities of the respective utilities. By this procedure the funds of the systems are used to best advantage. Examination of the results will also show that there is a steady decline in the percentage of net liabilities to total assets; being from 88.0 per cent in 1913 to 17.4 per cent in 1940. The equities in The Hydro-Electric Power Commission's systems automatically acquired through the inclusion of sinking funds as part of the cost of power are not taken into account in arriving at these percentages.

The second financial statement presents consolidated operating reports for each year since "Hydro" service was inaugurated and combines the results from the local municipal utilities of all the systems. After providing for every cost of operation and fixed charges, including the standard provision for depreciation, the combined operating reports show a net surplus of $1,655,300.24 for 1940. (See also diagrams in Foreword to Report.)

The five statements, "A" to "E", following the two consolidated reports show the financial status of each municipal utility and the results of operations, giving classified information respecting revenue, operating costs, number of consumers and consumption, cost of power to municipalities, power and lighting rates charged to consumers, etc. In statements "A" and "B", the municipalities are arranged alphabetically under each system; in statement "D" the municipalities are arranged in three groups—cities, towns and small municipalities; in statements "C" and "E" all municipalities are arranged alphabetically.

Statement "A" presents the balance sheet of each electrical utility. The plant values are shown under the general subdivisions specified in the standard accounting system and the other items on the positive side of the ledger which are included in total assets are self-explanatory with the exception, perhaps, of the item entitled "equity in H-E.P.C. stsyems." The sinking fund portion of the cost paid year by year to the Commission for power is for the purpose of ultimately retiring the capital liabilities incurred by the Commission on behalf of the municipalities. A municipality's aggregate equity in the Commission's systems at any time is the total of the sinking fund payments that have been credited to it, together with interest. The total sinking fund equity acquired by these municipalities to the end of 1940 is shown in the consolidated balance sheet to be $52,457,676.76.

In conformity with a policy of service at cost to the customer, refunds by cash or credit are made during the year in many municipalities from surplus funds accrued to the credit of municipal services, such as street lighting, water works, sewage disposal, etc., and to individual customers. The amounts of the accumulated surplus rebated equalled, in different municipalities, from five per cent to twenty per cent of the previous year's revenue. The total thus returned to customers during the year 1940 amounted in round figures to $337,000.00.

In each case the balance sheet includes the credit or charge representing the difference between the monthly payments for power at interim rates and the cost of power as ascertained by the Commission upon annual adjustment.

The reserves for depreciation, and the acquired equity in The Hydro-Electric Power Commission's systems, are listed individually and totalled; and under the heading "surplus" are included not only the free operating surplus but the accumulation of sinking fund applicable to debenture debt and also the amount of debentures already retired out of revenue.

The depreciation reserve now amounts to 28.5 per cent of the total depreciable plant, while the depreciation reserve and surplus combined have already reached the sum of $89,876,828.10, approximately 91.8 per cent of the total plant cost.

Statement "B" shows detailed operating reports for each municipal electrical utility. It gives annual revenues from the various classes of consumers; the items of expenditure which make up the total annual expenditure and the sums set aside for depreciation. The population served by each local utility and the number of consumers of each class are also shown.

The item "purchased power" in this statement includes the debit or credit balances ascertained by the annual adjustment of the cost of power supplied to the municipalities by the Commission.

Of the 295 municipal electric utilities included in this statement, 244 received from consumers revenue sufficient to meet in full all operating expenses, interest, debt retirement instalments, and standard depreciation reserve allocation and to yield an aggregate net surplus of $1,768,767.53 for the year; 41 were able to defray out of revenue all such charges except a portion of the standard depreciation allocation aggregating $54,953.21, in the case of 10 utilities the revenue was less than the total operating expenses, interest and debt retirement instalments by $8,924.15.

Statement "C" shows the installation of street lights in each municipality together with the rates approved by this Commission, the revenue for 1940, and the cost per capita in each municipality.

Statement "D" presents statistics relating to the supply of electrical energy to consumers in Ontario municipalities served by the Commission. It shows the revenue, kilowatt-hour consumption, number of consumers, average monthly consumption, average monthly bill and the net average cost per kilowatt-hour both for domestic and for commercial light service in each municipality. For power service this statement shows the revenue, the number of consumers and the average horsepower supplied by the municipal utility.* For further reference to this informative statement, consult the special introduction to it on page 326.

Statement "E" presents the cost per horsepower of the power provided for and delivered to the municipalities by the Commission, and the local rates to consumers in force in the respective municipalities, during the year 1940, for domestic service, for commercial light service and for power service.

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*The statistics include retail power only. Wholesale industrial power as supplied by the Commission direct, is reported in Section IX.

CONSOLIDATED

YEAR	1913	1941	1915
Number of municipalities included	45	69	99
ASSETS	$ c.	$ c.	$ c.
Lands and buildings	626,707.34	791,732.20	873,838.18
Substation equipment	1,090,875.69	1,476,087.84	1,582,062.56
Distribution system—overhead	2,690,834.74	3,422,763.93	4,234,626.05
Distribution system—underground	644,514.24	807,153.53	928,420.77
Line transformers	615,546.20	787,613.52	981,754.70
Meters	840,606.64	1,172,475.11	1,418,165.08
Street lighting equipment—regular	900,614.80	1,071,255.37	1,309,628.49
Street lighting equipment—ornamental	62,765.34	270,386.55	197,644.82
Miscellaneous construction expenses	866,551.89	2,062,035.90	1,701,182.66
Steam or hydraulic plant	1,401,175.28	420,108.33	461,651.60
Old plant	341,277.00	619,513.12	1,184,372.86
Total plant	10,081,469.16	12,901,125.40	14,873,347.77
Bank and cash balance	450,887.97	422,350.12	284,653.96
Securities and investments	....	....	....
Accounts receivable	344,487.95	561,873.08	602,920.69
Inventories	540,274.58	615,226.76	726,556.76
Sinking fund on local debentures	431,747.27	625,217.03	868,983.78
Equity in H-E.P.C. systems	....	....	....
Other assets	58,959.93	123,410.97	326,801.11
Total assets	11,907,826.86	15,249,203.36	17,683,264.07
LIABILITIES			
Debenture balance	8,711,308.37	10,678,078.36	11,831,811.03
Accounts payable	1,553,711.45	1,682,150.29	2,040,038.01
Bank overdraft	160,919.16	228,622.50	292,106.44
Other liabilities	42,412.81	113,838.66	37,388.31
Total liabilities	10,468,351.79	12,702,689.81	14,201,343.79
RESERVES			
For equity in H-E.P.C. systems	....	....	....
For depreciation	478,145.88	850,618.07	1,337,739.73
Other reserves	....	....	....
Total reserves	478,145.88	850,618.07	1,337,739.73
SURPLUS			
Debentures paid	202,751.26	320,129.10	394,466.22
Local sinking fund	431,747.27	625,217.03	868,983.78
Operating surplus	326,830.66	750,549.35	880,730.55
Total surplus	961,329.19	1,695,895.48	2,144,180.55
Total liabilities, reserves and surplus	11,907,826.86	15,249,203.36	17,683,264.07
Percentage of net debt to total assets	88.0	88.3	80.3

NOTE—In computing the "percentage of net debt to total assets" the ornamental street lighting capital, sinking fund on local debentures, and equity in H-E.P.C. systems, are excluded

BALANCE SHEET

1916	1917	1918	1919	1920	1921
128	143	166	191	195	215
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,335,936.33	1,546,241.41	1,859,888.69	1,995,545.83	2,175,568.24	3,230,985.63
1,934,626.12	2,471,293.82	2,820,488.70	2,915,125.56	3,231,050.80	5,403,689.90
4,832,353.27	6,090,073.42	6,627,237.39	7,445,820.31	8,579,881.49	8,397,361.48
1,095,709.62	1,157,059.90	1,216,288.59	1,206,296.88	1,313,369.29	1,401,135.97
1,179,132.07	1,483,839.44	1,772,691.35	2,073,113.45	2,560,581.59	3,077,649.83
1,711,299.49	1,999,095.48	2,238,143.70	2,587,566.32	3,053,135.20	3,552,076.79
1,251,057.13	1,237,734.69	1,200,625.65	1,206,638.71	1,269,006.98	1,335,997.13
306,388.95	361,975.74	531,502.61	546,497.68	557,678.13	610,586.70
2,059,263.42	2,184,015.84	2,395,096.50	2,530,101.08	2,697,636.12	3,030,134.16
864,500.01	896,753.20	214,575.75	986,200.57	757,194.47	704,848.46
759,748.66	649,852.51	1,476,413.00	805,959.89	864,298.39	912,388.55
17,330,015.07	20,077,935.45	22,352,951.93	24,298,866.28	27,059,400.70	31,656,854 60
1,061,029.90	340,026.50	391,194.91	462,437.23	943,858.12	900,842.34
....	....	....	627,076.53	341,855.88	477,678.69
695,152.23	1,285,097.33	1,124,018.44	1,921,166.69	2,022,538.88	2,155,788.62
764,504.59	1,261,398.36	972,996.96	1,032,569.75	1,400,671.89	1,504,596.28
1,166,017.73	1,337,578.96	1,663,298.05	1,925,455.77	2,244,004.34	2,541,718.35
....	....	....	369,071.89	577,584.06	795,570.51
342,215.87	125,240.05	444,787.63	86,216.05	25,447.07	78,929.84
21,358,935.39	24,427,276.65	26,949,247.92	30,722,860.19	34,615,360.94	40,111,979 23
15,058,641.57	15,593,773.61	17,209,217.70	18,133,462.44	19,268,072.04	21,619,220.99
969,187.75	1,537,669.11	1,007,727.79	1,420,926.66	1,840,137.54	1,887,567.93
178,413.26	886,177.94	576,816.49	403,235.57	514,671.99	989,099.98
491,874.90	429,104.20	350,013.21	670,271.90	642,293.65	938,368.84
16,698,117.48	18,446,724.86	19,143,775.19	20,627,896.57	22,265,175.22	25,434,257.74
....	....	....	373,871.89	577,584.06	800,249.05
1,843,804.68	2,463,723.83	3,133,550.17	3,750,162.28	4,788,645.03	5,491,858.93
....	....	....	....	....	....
1,843,804.68	2,463,723.83	3,133,550.17	4,124,034.17	5,366,229.09	6,292,107.98
549,778.59	694,797.90	920,076.56	1,328,657.68	1,440,156.52	1,860,079.53
1,165,785.94	1,340,615.38	1,662,602.69	1,754,020.37	2,246,474.47	2,541,718.35
1,101,448.70	1,481,414.68	2,089,243.31	2,888,251.40	3,297,325.64	3,983,815.63
2,817,013.23	3,516,827.96	4,671,922.56	5,970,929.45	6,983,956.63	8,385,613.51
21,358,935.39	24,427,276.65	26,949,247.92	30,722,860.19	34,615,360.94	40,111,979.23
78.4	75.5	71.0	67.9	65.4	64.7

from assets and the total liabilities are reduced by the amount of the local sinking fund reserve, and the liability in respect to the ornamental street lighting capital, which amount is included in other liabilities.

CONSOLIDATED

YEAR	1922	1923	1924
Number of municipalities included	226	235	248
ASSETS	$ c.	$ c.	$ c.
Lands and buildings	3,334,522.68	4,488,054.93	4,561,648.92
Substation equipment	5,046,857.98	6,015,919.75	6,800,238.00
Distribution system—overhead	11,165,330.24	13,135,581.76	14,182,190.33
Distribution system—underground	1,598,053.02	1,959,120.41	2,873,446.13
Line transformers	3,618,684.73	4,211,655.89	4,456,669.02
Meters	4,033,689.52	4,548,933.73	5,149,629.71
Street lighting equipment—regular	1,419,016.05	1,061,473.85	1,134,491.77
Street lighting equipment—ornamental	666,084.50	708,431.22	728,298.08
Miscellaneous construction expenses	3,261,495.74	3,681,274.88	4,168,262.21
Steam or hydraulic plant	565,158.54	566,619.86	4,196,803.45
Old plant	7,997,947.87	8,051,496.28	5,587,420.31
Total plant	42,706,840.87	48,428,562.56	53,839,097.93
Bank and cash balance	1,164,336.24	1,276,140.06	1,748,912.34
Securities and investments	443,938.18	1,153,424.47	1,329,622.58
Accounts receivable	3,874,317.14	3,198,769.34	3,898,751.89
Inventories	1,738,795.96	1,819,711.62	1,745,628.16
Sinking fund on local debentures	3,416,231.45	3,896,261.28	4,520,723.06
Equity in H-E.P.C. systems	1,543,434.12	2,929,603.94	5,420,567.58
Other assets	238,940.13	190,071.63	250,292.77
Total assets	55,126.834,09	62,892,544.90	72,753,596.31
LIABILITIES			
Debenture balance	30,454.186.12	33,056,501.29	38,005,162.50
Accounts payable	3,699,292.52	3,708,781.76	3,117,224.08
Bank overdraft	456,706.69	680,714.59	162,100.71
Other liabilities	586,203.02	1,517,828.47	1,780,564.27
Total liabilities	35,196,388.35	38,963,826.11	43,065,051.56
RESERVES			
For equity in H-E.P.C. systems	1,543,434.12	2,929,603.94	5,420,567.58
For depreciation	6,512,813.92	7,328,858.69	8,097,834.68
Other reserves	....	....	....
Total reserves	8,056,248.04	10,258,462.63	13,518,402.26
SURPLUS			
Debentures paid	3,104,591.15	2,852,038.38	3,530,610.35
Local sinking fund	3,416,231.45	3,896,261.28	4,520,723.06
Operating surplus	5,353,375.10	6,921,956.50	8,118,809.08
Total surplus	11,874,197.70	13,670,256.16	16,170,142.49
Total liabilities, reserves and surplus	55,126,834.09	62,892,544.90	72,753,596.31
Percentage of net debt to total assets	63.3	62.6	61.4

BALANCE SHEET—Continued

1925	1926	1927	1928	1929
247	251	252	256	260
$ c.	$ c.	$ c.	$ c.	$ c.
5,768,855.99	6,111,162.54	6,486,426.89	7,024,646.76	7,469,451.46
8,543,166.55	9,505,501.77	15,088,905.14	16,866,186.21	18,102,792.13
16,837,535.57	18,654,240.54	16,689,462.41	17,688,050.68	18,108,016.82
3,388,837.09	3,689,569.95	3,278,382.58	3,559,288.16	4,823,369.60
5,079,754.23	5,538,605.24	5,985,521.37	6,549,674.64	7,312,742.17
5,533,483.92	5,963,162.51	6,346,660.59	6,839,802.90	7,405,478.91
1,256,916.53	1,309,608.30	1,399,314.06	1,486,646.24	1,594,183.25
893,186.48	1,103,660.23	1,184,035.82	1,203,706.65	1,458,349.64
4,485,110.96	3,456,777.71	3,360,671.09	3,394,626.92	3,483,487.78
568,912.49	628,909.57	607,320.00	619,880.93	489,097.67
4,549,142.46	4,655,422.59	5,095,555.90	5,032,089.26	5,093,378.75
56,904,902.27	60,616,620.95	65,522,255.85	70,264,599.35	75,340,348.08
1,700,145.30	2,136,290.79	3,014,832.48	1,342,367.07	858,733.68
1,095,662.92	1,400,316.43	1,696,237.66	1,837,140.51	2,001,088.81
3,417,558.86	3,508,817.87	3,715,770.72	4,097,446.13	4,683,201.97
1,711,504.13	1,397,667.83	1,412,729.41	1,220,186.10	1,365,033.58
5,202,451.70	5,599,675.01	6,398,909.77	7,071,273.69	7,753,613.88
7,551,588.70	8,046,868.53	10,143,205.66	12,326,097.56	14,754,865.40
137,280.05	33,151.81	31,942.45	153,275.04	152,260.86
77,721,093.93	82,739,409.22	91.935,884.00	98,312,385.45	106,909,146.26
37,919,225.01	39,602,533.48	42,891,361.57	42,597,175.78	42,930,127.74
3,139,067.92	3,118,684.78	2,988,621.90	3,074,634.25	3,132,145.03
226,147.82	163,725.53	252,362.52	253,143.81	412,056.69
1,075,914.83	1,087,795.08	1,154,810.24	1,258,610.23	1,621,378.17
42,360,355.58	43,972,738.87	47,287,156.23	47,183,564.07	48,095,707.63
7,551,588.70	8,046,868.53	10,143,205.66	12,326,097.56	14,754,865.40
8,699,437.68	9,360,322.27	10,319,889.05	11,140,795.68	11,911,154.49
1,157,147.20	947,970.23	1,002,916.69	1,117,257.63	1,437,371.26
17,408,173.58	18,355,161.03	21,466,011.40	24,584,150.87	28,103,391.15
4,440,138.34	5,493,879.83	6,648,767.38	7,928,907.61	9,194,253.59
5,202,451.70	5,599,675.01	6,398,909.77	7,071,273.69	7,962,121.20
8,309,974.73	9,317,954.48	10,135,039.22	11,544,489.21	13,553,672.69
17,952,564.77	20,411,509.32	23,182,716.37	26,544,670.51	30,710,047.48
77,721,093.93	82,739,409.22	91,935,884.00	98,312,385.45	106,909,146.26
57.2	55.5	54.2	50.8	47.8

CONSOLIDATED

YEAR	1930	1931	1932
Number of municipalities included	267	275	280
ASSETS	$ c.	$ c.	$ c.
Lands and buildings	7,936,974.31	8,407,664.48	9,503,743.78
Substation equipment	19,485,056.28	21,013,956.74	22,288,781.68
Distribution system—overhead	19,220,326.48	19,918,355.76	20,866,767.32
Distribution system—underground	4,932,189.05	5,361,627.24	5,820,056.75
Line transformers	7,953,090.23	8,649,875.07	9,392,662.62
Meters	7,840,948.07	8,106,202.88	8,403,251.67
Street lighting equipment—regular	1,780,785.67	2,205,613.18	2,257,618.20
Street lighting equipment—ornamental	1,520,891.01	1,456,742.91	1,545,354.93
Miscellaneous construction expenses	3,996,747.77	3,827,132.05	4,120,926.11
Steam or hydraulic plant	139,587.28	458,374.05	498,231.69
Old plant	5,322,690.14	7,146,437.96	4,989,654.97
Other plants not distributed	....	....	200,000.00
Total plant	80,129,286.29	86,551,982.32	89,887,049.72
Bank and cash balance	2,722,250.12	2,738,319.67	3,185,442.00
Securities and investments	1,909,439.11	1,999,846.42	2,059,325.10
Accounts receivable	4,481,006.92	3,957,972.78	3,683,059.42
Inventories	1,242,994.51	1,276,531.01	1,232,209.52
Sinking fund on local debentures	8,396,255.47	8,735,050.84	9,099,210.61
Equity in H-E.P.C. systems	17,346,372.44	20,103,275.76	23,066,129.81
Other assets	173,030.05	174,879.28	163,637.79
Total assets	116,400,634.91	125,537,858.08	132,376,063.97
LIABILITIES			
Debenture balance	45,091,808.06	44,594,400.03	45,133,305.97
Accounts payable	3,001,186.21	5,382,306.13	3,512,724.58
Bank overdraft	405,663.14	312,575.54	298,910.20
Other liabilities	1,642,771.59	1,909,986.13	3,740,376.11
Total liabilities	50,141,429.00	52,199,267.83	52,685,316.86
RESERVES			
For equity in H-E.P.C. systems	17,346,372.44	20,103,275.76	23,066,129.81
For depreciation	12,885,387.51	13,748,049.68	14,902,177.02
Other reserves	1,574,655.74	1,693,129.83	1,902,308.64
Total reserves	31,806,415.69	35,544,455.27	39,870,615.47
SURPLUS			
Debentures paid	10,728,279.15	13,150,040.37	15,244,778.28
Local sinking fund	8,396,255.47	8,735,050.84	9,099,210.61
Operating surplus	15,328,255.60	15,909,043.77	15,476,142.75
Total surplus	34,452,790.22	37,794,134.98	39,820,131.64
Total liabilities, reserves and surplus	116,400,634.91	125,537,858.08	132,376,063.97
Percentage of net debt to total assets	46.0	44.1	43.4

BALANCE SHEET—Continued

1933	1934	1935	1936	1937
282	282	284	283	287
$ c.	$ c.	$ c.	$ c.	$ c.
10,186,471.28	10,262,692.98	10,381,191.41	10,528,595.34	10,785,473.59
22,306,800.94	22,327,618.75	22,072,115.14	22,162,208.03	22,900,269.21
21,152,681.20	21,353,725.80	21,650,567.75	22,163,701.17	22,699,652.43
5,945,225.61	6,031,767.74	6,068,724.47	6,070,337.02	6,100,282.76
9,478,605.14	9,635,279.35	9,678,578.13	9,845,939.94	10,128,591.29
8,514,165.03	8,624,504.78	8,767,892.27	9,043,615.65	9,234,773.90
2,381,599.40	2,395,296.48	2,420,238.81	2,527,188.03	2,610,137.97
1,458,443.68	1,464,306.73	1,486,302.46	1,504,596, 77	1,508,564.76
4,040,859.74	3,907,359.92	3,616,986.74	4,019,430.59	4,389,592.08
502,978.62	494,932.96	496,050.14	496,186.33	496,186.33
5,016,755.92	4,978,079.44	4,917,917.43	4,876,405.43	4,878,609.01
200,000.00	200,000.00	200,000.00	200,000.00	....
91,184,586.56	91,675,564.93	91,756,564.75	93,438,204.30	95,732,133.33
1,696,489.24	2,215,914.31	2,927,485.90	3,921,121.28	3,080,864.13
2,163,785.20	2,382,446.41	2,593,633.59	2,924,913.30	4,469,369.04
3,746,910.92	4,001,596.09	4,363,297.95	4,560,713.55	4,240,741.41
1,226,043.30	1,110,705.38	1,212,063.37	1,261,843.81	1,336,527.60
9,386,176.58	9,161,419.77	9,086,152.46	9,535,712.83	10,003,873.93
26,045,679.00	29,274,340.46	32,609,979.83	36,193,874.21	40,032,438.34
253,581.84	289,158.19	301,317.86	203,167.35	186,252.23
135,703,252.64	140,111,145.54	144,850,495.71	152,039,550.63	159,082,200.01
42,606,145.29	39,646,989.68	36,667,080.62	34,485,507.43	32,447,411.68
3,320,485.45	3,149,035.07	2,931,934.14	2,879,497.45	2,912,960.24
206,398.00	143,556.95	72,084.93	25,559.95	34,787.51
3,787,725.14	3,669,008.56	3,462,906.61	3,267,141.59	3,216,028.08
49,920,753.88	46,608,590.26	43,134,006.30	40,657,706.42	38,611,187.51
26,045,679.00	29,274,340.46	32,609,979.83	36,193,874.21	40,032,438.34
16,075,959.28	17,426,809.32	18,410,891.84	19,666,170.18	21,034,164.68
2,048,081.84	2,056,820.81	2,459,074.98	2,763,100.40	2,802,650.84
44,169,720.12	48,757,970.59	53,479,946.65	58,623,144.79	63,869,253.86
17,651,367.71	20,608,129.73	23,481,974.13	26,084,294.84	28,468,539.78
9,386,176.58	9,161,419.77	9,086,152.46	9,535,712.83	10,003,873.93
14,575,234.35	14,975,035.19	15,668,416.17	17,138,691.75	18,129,344.93
41,612,778.64	44,744,584.69	48,236,542.76	52,758,699.42	56,601,758.64
135,703,252.64	140,111,145.54	144,850,495.71	152,039,550.63	159,082,200.01
40.4	35.9	32.0	28.3	25.2

CONSOLIDATED BALANCE SHEET—Concluded

YEAR	1938	1939	1940
Number of municipalities included	288	293	295
ASSETS	$ c.	$ c.	$ c.
Lands and buildings	10,894,019.12	11,030,623.50	11,218,258.69
Substation equipment	23,614,597.80	23,780,655.18	24,282,151.78
Distribution system—overhead	23,371,092.61	23,925,362.60	24,653,458.44
Distribution system—underground	6,134,283.64	6,202,371.87	6,214,957.69
Line transformers	10,494,789.40	10,855,346.75	11,030,643.29
Meters	9,539,413.66	9,838,600.98	9,927,971.40
Street lighting equipment—regular	2,697,047.84	2,798,171.62	2,879,996.65
Street lighting equipment—ornamental	1,516,059.81	1,518,035.24	1,534,320.08
Miscellaneous construction expenses	4,444,880.40	4,147,280.84	4,341,259.94
Steam or hydraulic plant	497,974.74	498,650.81	498,575.87
Old plant	4,897,097.67	4,894,655.59	1,332,606.12
Total plant	98,101,256.69	99,489,754.98	97,914,199.95
Bank and cash balance	3,043,609.87	3,107,087.65	4,462,197.18
Securities and investments	4 832,322.57	4,850,531.80	5.315,855.49
Accounts receivable	4,106,655.16	4,774,816.58	4,715,848.86
Inventories	1,393,158.18	1,496,275.62	1,630,987.28
Sinking fund on local debentures	10,397,958.20	11,032,594, 44	5,829,573.87
Equity in H-E.P.C. systems	44,254,118.64	48,615,296.94	52,457,676.76
Other assets	178,534.60	156,520.39	258,395.70
Total assets	166,307,613.91	173,522,878.40	172,584,735.09
LIABILITIES			
Debenture balance	29,987,512.34	27,962,685.51	20,636,363.20
Accounts payable	3,334,802.82	3,100,565.26	3,095,613.25
Bank overdraft	108,753.61	180,064.81	187,038.91
Other liabilities	3,120,619.84	2,998,174.20	3,004.624,22
Total liabilities	36,551,688.61	34,241,489.78	26,923,638.58
RESERVES			
For equity in H-E.P.C. systems	44,254,118.64	48,615,296.94	52,457,676.76
For depreciation	22,583,476.69	24,046,526.92	25.733,628.33
Other reserves	2,814,785.08	3,090,471.34	3,326,591.65
Total reserves	69,652,380.41	75,752,295.20	81,517.896.74
SURPLUS			
Debentures paid	30,890,189.93	32,866,660.82	37,245,922.84
Local sinking fund	10,397,958.20	11,032,594.44	5,829,573.87
Operating surplus	18,815,396.76	19,629,838.16	21,067,703.06
Total surplus	60,103,544.89	63,529,093.42	64,143,199.77
Total liabilities, reserves and surplus	166,307,613.91	173,522,878.40	172,584,735.09
Percentage of net debt to total assets	22 4	19.3	17.4

CONSOLIDATED OPERATING REPORT

YEAR	1912	1913	1914	1915
Number of municipalities included	28	45	69	99
EARNINGS	$ c.	$ c.	$ c.	$ c.
Domestic service	...	572,154.38	789,130.81	944,271.08
Commercial light service	...	525,438.16	673,803.92	720,209.26
Commercial power service	...	905,378.17	1,214,829.31	1,501,797.78
Municipal power	...	...	...	...
Street lighting	...	560,925.56	698,409.71	835,970.87
Rural service	...	...	...	...
Miscellaneous	...	53,543.24	57,482.41	68,046.29
Total earnings	1,617,674.00	2,617,439.51	3,433,656.16	4,070,295.28
EXPENSES				
Power purchased	...	789,632.87	1,045,752.65	1,484,666.00
Substation operation	...	78,394.81	97,658.90	107,607.31
Substation maintenance	...	18,698.46	31,790.99	25,935.56
Distribution system, operation and maintenance	...	104,114.51	130,998.65	154,409.71
Line transformer maintenance	...	8,547.61	11,764.32	11,508.92
Meter maintenance	...	5,222.19	9,536.07	12,899.14
Consumers' premises expenses	...	53,108.38	65,192.23	47,494.26
Street lighting, operation and maintenance	...	84,903.76	113,047.80	136,983.38
Promotion of business	...	72,303.51	86,683.02	74,402.55
Billing and collecting	...	77,351.76	103,560.71	131,541.27
General office, salaries and expenses	...	154,932.69	230,899.75	236,777.86
Undistributed expense	...	65,423.64	89,350.91	129,209.15
Interest	...	528,549.21	662,092.34	817,978.89
Sinking fund and principal payments on debentures	...	*	*	*
Total expenses	1,377,168.00	2,041,183.40	2,678,328.34	3,371,414.00
Surplus	240,506.00	576,256.11	755,327.82	698,881.28
Depreciation and other reserves	124,992.47	262,675.24	357,883.31	414,506.99
Surplus less depreciation	115,513.53	313,580.87	397,444.51	284,374.29

*Debenture payments included in "Interest."

CONSOLIDATED

YEAR	1916	1917	1918
Number of municipalities included	128	143	166
EARNINGS	$ c.	$ c.	$ c.
Domestic service	1,172,878.96	1,417,460.31	1,632,272.12
Commercial light service	812,130.78	899,023.72	968,399.42
Commercial power service	1,921,152.31	2,665,280.65	3,417,248.37
Municipal power	....	....	....
Street lighting	930,057.48	967,495.10	902,875.55
Rural service	....	....	....
Miscellaneous	147,381.50	120,805.39	161,243.70
Total earnings	4,983,601.03	6,070,065.17	7,082,039.16
EXPENSES			
Power purchased	1,959,446.83	2,573,879.37	2,807,769.33
Substation operation	153,761.08	203,091.20	238,257.34
Substation maintenance	46,131.53	42,129.04	60,805.92
Distribution system, operation and maintenance	154,247.17	169,326.24	223,347.81
Line transformer maintenance	14,528.17	25,328.95	30,488.83
Meter maintenance	24,218.48	44,461.55	63,155.56
Consumers' premises expenses	52,602.01	61,765.14	65,149.59
Street lighting, operation and maintenance	145,471.50	157,857.73	196,157.18
Promotion of business	79,324.85	73,516.37	64,962.78
Billing and collecting	154,508.58	188,083.84	208,660.76
General office, salaries and expenses	306,709.35	349,932.05	421,680.15
Undistributed expense	97,333.97	102,938.80	117,474.07
Interest	951,781.99	1,085,180.80	1,238,425.53
Sinking fund and principal payments on debentures	*	*	*
Total expenses	4,140,065.51	5,077,491.08	5,736,334.85
Surplus	843,535.52	992,574.09	1,345,704.31
Depreciation and other reserves	486,141.80	607,296.29	718,162.30
Surplus less depreciation	357,393.72	385,277.80	627,542.01

*Debenture payments included in "Interest."

OPERATING REPORT—Continued

1919	1920	1921	1922	1923	1924
181	186	205	214	224	241
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,991,632.31	2,546,345.30	3,149,080.03	3,786,608.23	5,166,452.24	5,993,231.07
1,175,143.56	1,512,854 63	1,851,501.76	2,158,306.34	3,260,772.50	3,566,227.22
3,443,107.13	3,752,188.22	3,895,437.46	4,383,912.97	5,927,666.37	6,222,865.88
....	532,279.09	654,531.01	973,263.38	1,161,598.60	1,352,966.47
988,900.95	1,005,535.11	1,060,357.77	1,160,446.81	1,269,604.48	1.356,668.97
....	168,919.95	145,566.57	105,877.09	116,639.06	75,100.24
228,270.65	189,778.63	225,467.70	187,689.39	316,311.21	231,663.58
7,827,054.60	9,707,900.93	10,981,942.30	12,756,104.21	17,219,044.46	18,798,723.43
3,284,490.68	4,216,667.87	4,876,650.31	6,636,853.37	8,699,026.67	9,669,789.40
217,638.89	285,407.35	314,838.35	315,443.70	474,442.13	430,056.09
81,853.63	102,050.81	104,798.01	100,763.67	133,815.53	202,050.04
286,310.76	344,551.57	487,918.33	519,252.16	636,477.41	648,700.62
42,509.12	46,323.09	65,088.46	52,932.26	75,920.10	82,936.50
78,726.64	123,701.18	116,722.97	107,806.88	139,104.81	141,231.23
84,301.24	116,283.52	134,854.92	143,388.88	218,682.02	237,316.20
215,963.86	236,930.79	297,481.52	297,363.86	299,579.08	269,973.30
74,789.22	78,294.85	101,804.46	129,932.63	184,371.00	202,060.74
236,504.75	295,942.88	321,685.71	338,153.50	444,306.92	490,273.30
452,131.22	559,695.29	656,268.11	605,852.50	937,463.47	889,907.66
190,690.09	256,400.33	308,874.42	385,895.03	359,206.91	494,078.50
1,285,571.51	1,431,807.16	998,611.47	1,074,657.44	1,615,205.16	1,779,991.26
*	*	532,183.96	635,469.90	990,907.14	1,122,798.87
6,531,481.61	8,094,056.69	9,317,781.00	11,343,765.78	15,208,508.35	16,661,163.71
1,295,572.99	1,613,844.24	1,664,161.30	1,412,338.43	2,010,536.11	2,137,559.72
814,219.37	902,028.75	1,044,434.85	715,814.24	916,782.75	973,649.62
481,353.62	711,815.49	619,726.45	696,524.19	1,093,753.36	1,163,910.10

CONSOLIDATED

YEAR	1925	1926	1927
Number of municipalities included	242	248	251
EARNINGS	$ c.	$ c.	$ c.
Domestic service	6,439,159.86	7,372,602.62	8,189,866.89
Commercial light service	3,866,292.79	4,187,899.19	4,626,815.51
Commercial power service	6,568,854.77	6,789,217.54	7,342,173.20
Municipal power	1,923,093.09	1,922,512.34	1,913,502.88
Street lighting	1,415,382.22	1,457,686.21	1,489,242.37
Rural service	37,975.18	37,810.73	13,765.72
Miscellaneous	286,451.08	471,134.15	581,913.04
Total earnings	20,537,208.99	22,238,862.78	24,157,279.61
EXPENSES			
Power purchased	11,063,123.34	12,185,669.10	13,505,583.77
Substation operation	417,921.71	450,416.84	430,211.76
Substation maintenance	207,497.63	286,520.37	275,148.86
Distribution system, operation and maintenance	686,344.54	795,514.70	758,747.10
Line transformer maintenance	75,473.28	74,876.11	94,706.38
Meter maintenance	156,909.55	189,603.70	214,813.87
Consumers' premises expenses	252,808.47	275,020.62	285,352.68
Street lighting, operation and maintenance	275,316.60	295,869.37	318,395.79
Promotion of business	217,102.24	234,696.74	220,687.60
Billing and collecting	521,134.01	557,271.54	605,627.58
General office, salaries and expenses	891,640.29	786,742.60	824,868.90
Undistributed expense	520,584.58	460,288.30	531,003.80
Truck operation and maintenance	....	....	....
Interest	1,889,810.95	1,985,233.73	2,063,698.00
Sinking fund and principal payments on debentures	1,294,027.29	1,347,511.92	1,505,626.31
Total expenses	18,469,694.48	19,925,235.64	21,634,472.40
Surplus	2,067,514.51	2,313,627.14	2,522,807.21
Depreciation and other reserves	1,068,880.42	1,146,273.05	1,249,711.65
Surplus less depreciation	998,634.09	1,167,354.09	1,273,095.56

OPERATING REPORT—Continued

1928	1929	1930	1931	1932
255	259	267	275	280
$ c.	$ c.	$ c.	$ c.	$ c.
8,925,050.56	9,873,681.57	10,542,903.89	10,972,952.10	11,447,307.85
5,182,723.32	5,697,766.06	5,961,383.23	6,230,475.89	6,243,794.01
8,298,669.44	9,376,158.74	9,340,653.28	9,456,224.97	9,356,693.88
1,921,300.97	2,086,444.24	2,111,482.38	1,967,118.54	1,859,585.35
1,534,476.98	1,598,262.43	1,674,528.03	1,746,855.24	1,783,972.46
48,451.90*	51,590.54*	28,954.60*	29,446.38*	11,069.27*
465,791.92	522,780.95	581,914.78	511,139.80	513,787.30
26,376,465.09	29,206,684.53	30,241,820.19	30,914,212.92	31,216,210.12
14,688,570.08	16,379,162.88	17,323,077.97	18,085,166.51	19,109,036.25
420,512.48	461,270.27	479,502.48	487,484.17	503,351.82
247,647.88	274,275.56	320,716.48	303,536.11	300,186.15
736,159.85	907,817.04	991,972.86	1,015,256.14	969,750.51
88,676.18	93,608.14	96,746.35	93,463.24	95,485.55
218,530.96	242,126.27	278,379.43	284,633.88	300,104.85
291,333.03	314,495.03	317,902.45	363,078.47	368,208.73
329,597.16	359,373.40	372,211.07	368,119.49	360,709.76
249,842.01	250,844.28	249,070.05	255,956.03	266,760.84
638,797.02	695,729.42	745,159.02	792,983.99	818,721.33
844,578.55	904,025.64	907,226.89	923,676.84	960,558.88
542,755.34	502,206.06	523,862.96	520,893.10	436,692.96
....	110,630.62	112,029.82	107,918.93	112,059.90
2,111,049.49	2,152,695.49	2,220,214.45	2,328,094.32	2,532,940.93
1,601,711.32	1,687,201.64	1,828,061.62	2,061,718.79	2,244,367.86
23,009,761.35	25,335,461.74	26,766,134.00	27,991,980.01	29,378,936.42
3,366,703.74	3,871,222.79	3,475,686.19	2,922,232.91	1,837,273.70
1,350,252.16	1,469,846.83	1,574,991.68	1,775,330.69	1,920,896.22
2,016,451.58	2,401,375.96	1,900,694.51	1,146,902.22	*83,622.52* (loss)

*Profits from the sale of merchandise. Rural service now given in Rural Power Districts.

CONSOLIDATED

YEAR	1933	1934	1935
Number of municipalities included	282	282	284
EARNINGS	$ c.	$ c.	$ c.
Domestic service	11,429,101.13	11,844,033.10	12,145,219.89
Commercial light service	6,013,025.96	6,206,086.35	6,458,748.57
Commercial power service	9,080,522.07	9,692,784.37	10,211,968.71
Municipal power	1,826,872.07	1,875,969.80	1,821,285.82
Street lighting	1,779,582.48	1,777,596.69	1,788,760.38
Merchandise	12,812.74	18,747.73	21,669.98
Miscellaneous	485,925.43	555,172.04	562,285.82
Total earnings	30,627,841.88	31,970,390.08	33,009,939.17
EXPENSES			
Power purchased	19,330,861.58	19,591,887.79	20,053,676.40
Substation operation	484,764.57	468,944.09	478,813.83
Substation maintenance	288,583.29	296,550.52	297,127.27
Distribution system, operation and maintenance	895,350.99	844,813.95	830,633.88
Line transformer maintenance	82,321.32	75,172.18	70,749 63
Meter maintenance	283,115.98	291,402.79	313,234.11
Consumers' premises expenses	361,499.20	352,499.09	340,761.52
Street lighting, operation and maintenance	353,082.15	338,784.80	340,120.36
Promotion of business	259,936.42	228,741.36	252,648.33
Billing and collecting	817,660.03	827,860.20	835,375.90
General office, salaries and expenses	908,517.79	908,039.75	943,880.18
Undistributed expense	349,101.36	362,322.12	360,676.96
Truck operation and maintenance	105,452.68	98,081.61	95,150.54
Interest	2,426,286.35	2,204,994.25	2,040,130.35
Sinking fund and principal payments on debentures	2,319,319.09	2,358,169.12	2,423,088.34
Total expenses	29,265,852.80	29,248,263.62	29,686,067.60
Surplus	1,361,989.08	2,722,126.46	3,323,871.57
Depreciation and other reserves	1,989,000.41	2,036,637.33	2,076,322.24
Surplus less depreciation	*627,011.33* (loss)	685,489.13	1,247,549 33

OPERATING REPORT—Concluded

1936	1937	1938	1939	1940
283	287	288	293	295
$ c.	$ c.	$ c.	$ c.	$ c.
12,682,140.18	12,448,345.63	12,607,601.30	13,038,748.37	13,705,710.79
6,815,439.16	6,510,685.15	6,727,374.48	7,077,144.74	7,642,679.90
10,694,192.44	11,063,764.43	10,527,631.36	10,957,719.66	12,458,439.08
1,817,986.94	1,731,311.34	1,677,069.34	1,760,977.25	1,741,235.23
1,799,420.87	1,781,363.37	1,813,555.27	1,831,090.33	1,842,443.63
23,158.76	22,971.02	26,588.18	28,874.86	56,818.83
575,825.49	607,035.54	602,012.80	595,235.49	577,959.98
34,408,163.84	34,165,476.48	33,981,832.73	35,289,790.70	38,025,287.44
20,486,582.65	20,532,736.85	20,575,457.95	21,855,595.20	23,756,863.14
478,855.71	490,737.94	493,651.06	516,987.25	544,234.10
301,897.24	300,389.49	351,013.94	377,013.25	322,375.73
855,576.02	889,990.11	921,064.94	943,859.59	930,055.53
72,711.67	81,365.18	94,040.92	95,577.72	101,617.16
328,410.90	343,658.47	384,357.58	386,145.71	372,562.74
306,644.80	420,366.36	483,012.96	488,980.55	568,135.41
356,932.01	364,325.53	373,065.44	384,071.55	366,911.70
288,338.93	294,574.21	309,626.97	317,467.64	293,022.17
945,892.70	980,540.10	987,040.66	1,008,065.66	1,020,648.93
967,269.06	940,890.76	931,120.05	966,550.98	960,065.70
448,332.98	476,370.44	430,609.32	463,456.65	555,414.26
69,805.06	77,995.38	84,111.05	80,263.46	79,848.64
1,893,304.28	1,752,287.58	1,642,663.25	1,594,040.32	1,464,381.29
2,448,223.80	2,429,565.06	2,424,098.70	2,420,441.30	2,389,723.60
30,248,777.81	30,375,793.46	30,484,934.79	31,898,516.83	33,725,860.10
4,159,386.03	3,789,683.02	3,496,897.94	3,391,273.87	4,299,427.34
2,230,021.86	2,329,625.64	2,451,529.46	2,524,364.33	2,644,127.10
1,929,364.17	1,460,057.38	1,045.368.48	866,909.54	1,655,300.24

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM

Municipality Population	Acton 1,903	Agincourt P.V.	Ailsa Craig 477	Alvinston 663	Amherstburg 2,755
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	1,545.45	....	....	133.56	....
Substation equipment	1,962.78	....	....	....	932.00
Distribution system—overhead	26,827.50	9,146.36	7,844.15	16,306.55	39,550.14
Distribution system—underground	....	....	....	....	....
Line transformers	15,612.11	4,881.46	3,152.34	2,941.70	20,426.68
Meters	11,604.41	2,989.78	2,644.36	3,304.27	17,628.26
Street light equipment, regular	2,325.10	916.31	457.58	1,280.09	1,587.79
Street light equipment, ornamental	....	....	....	....	5,598.72
Miscellaneous construction expense	2,343.02	23.30	492.36	1,104.22	4,560.42
Steam or hydraulic plant	....	....	....	....	....
Old plant	....	....	....	773.85	....
Total plant	62,220.37	17,957.21	14,590.79	25,844.24	90,284.01
Bank and cash balance	4,681.25	939.40	3,769.31	434.20	7,684.88
Securities and investments	6,500.00	5,000.00	5,000.00	4,500.00	....
Accounts receivable	1,761.97	1,460.90	1,253.38	1,608.07	8,968.00
Inventories	1,220.37	....	....	....	76.72
Sinking fund on local debentures	....	....	....	....	....
Equity in H-E.P.C. systems	70,973.63	11,594.47	15,874.72	15,940.84	55,795.01
Other assets	....	159.54	....	....	153.60
Total assets	147,357.59	37,111.52	40,488.20	48,327.35	162,962.22
Deficit	....	....	....	....	....
Total	147,357.59	37,111.52	40,488.20	48,327.35	162,962.22
LIABILITIES					
Debenture balance	....	....	....	1,687.93	12,681.91
Accounts payable	88.13	265.79	40.52	....	186.38
Bank overdraft	....	....	....	....	....
Other liabilities	1,043.43	....	175.00	55.00	6,866.57
Total liabilities	1,131.56	265.79	215.52	1,742.93	19,734.86
RESERVES					
For equity in H-E.P.C. systems	70,973.63	11,594.47	15,874.72	15,940.84	55,795.01
For depreciation	11,878.73	2,757.53	6,308.98	8,333.65	26,738.47
Other reserves	....	60.05	....	75.00	488.33
Total reserves	82,852.36	14,412.05	22,183.70	24,349.49	83,021.81
SURPLUS					
Debentures paid	14,500.00	8,072.65	6,883.38	21,841.31	19,371.69
Local sinking fund	....	....	....	....	....
Operating surplus	48,873.67	14,361.03	11,205.60	393.62	40,833.86
Total surplus	63,373.67	22,433.68	18,088.98	22,234.93	60,205.55
Total liabilities, reserves and surplus	147,357.59	37,111.52	40,488.20	48,327.35	162,962.22
Percentage of net debt to total assets	1.5	1.0	0.9	5.4	13.9

"A"

Hydro Municipalities as at December 31, 1940

Ancaster Twp.	Arkona	Aylmer	Ayr	Baden	Beachville	Beamsville
	408	1,979	768	P.V.	P.V.	1,186
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
....	....	10,383.52	125.00	660.64	176.13	....
....	....	....	....	....	....	....
19,022.53	10,001.82	26,579.93	12,713.85	9,220.50	15,772.67	29,442.16
....	....	....	....	....	....	....
13,009.19	2,109.88	14,644.66	5,254.56	6,612.00	4,886.14	9,629.08
6,102.36	1,757.37	12,141.79	4,209.50	3,838.20	3,472.60	7,677.14
1,404.17	750.31	4,064.44	1,162.14	738.66	444.23	2,672.56
....	....	....	....	....	....	....
778.40	238.27	2,240.36	822.49	293.38	602.04	314.85
....	....	....	....	....	....	....
....	1,030.30	6,469.47	4,002.53	....	....	....
40,316.65	15,887.95	76,524.17	28,290.07	21,363.38	25,353.81	49,735.79
2,831.54	69.99	25.00	171.96	3,431.50	2,632.43	2,854.68
....	....	12,000.00	1,000.00	....	4,000.00	....
1,419.27	795.08	3,380.65	1,676.36	448.46	371.95	734.28
....	....	....	....	....	....	....
....	....	....	....	....	....	....
17,811.72	6,404.38	44,510.71	15,446.25	33,067.38	42,335.55	4,206.62
....	....	....	....	....	....	10,783.89
62,379.18	23,157.40	136,440.53	46,584.64	58,310.72	74,693.74	68,315.26
....	508.91	....	....	....	....	....
62,379.18	23,666.31	136,440.53	46,584.64	58,310.72	74,693.74	68,315.26
8,400.19	4,824.01	8,972.52	3,964.62	309.77	377.52	22,785.02
1,481.59	606.82	168.92	51.58	....	51.07	229.82
....	....	933.69	....	....	....	....
223.60	7.00	577.66	46.00	....	....	634.88
10,105.38	5,437.83	10,652.79	4,062.20	309.77	428.59	23,649.72
17,811.72	6,404.38	44,510.71	15,446.25	33,067.38	42,335.55	4,206.62
10,136.77	3,535.28	17,510.75	7,258.32	3,243.07	8,328.01	13,752.01
112.36	....	654.83	517.29	....	....	....
28,060.85	9,939.66	62,676.29	23,221.86	36,310.45	50,663.56	17,958.63
5,710.09	8,288.82	29,729.40	13,538.76	4,690.23	4,975.48	14,714.98
....	....	....	....	....	....	....
18,502.86	....	33,382.05	5,761.82	17,000.27	18,626.11	11,991.93
24,212.95	8,288.82	63,111.45	19,300.58	21,690.50	23,601.59	26,706.91
62,379.18	23,666.31	136,440.53	46,584.64	58,310.72	74,693.74	68,315.26
22.7	32.5	11.6	13.0	1.2	1.3	36.9

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality	Belle River	Blenheim	Blyth	Bolton	Bothwell
Population	852	1,844	656	600	646
	$ c.	$ c.	$ c.	$ c.	$ c.
ASSETS					
Lands and buildings		12,960.93			
Substation equipment		909.64			
Distribution system—overhead	19,621.69	31,058.18	11,830.76	10,504.93	7,496.61
Distribution system—underground					
Line transformers	4,445.86	10,458.95	2,449.70	4,488.88	3,207.58
Meters	4,460.14	10,517.07	2,417.71	3,352.70	3,430.38
Street light equipment, regular	1,102.88	3,843.85	1,569.43	873.89	3,571.49
Street light equipment, ornamental		1,482.97			1,131.22
Miscellaneous construction expense	1,087.65	836.22	254.59	1,402.15	638.77
Steam or hydraulic plant					
Old plant			2,096.17	1,554.60	
Total plant	30,718.22	72,067.81	20,618.36	22,177.15	19,476.05
Bank and cash balance	4,896.16	94.86	1,060.06		77.31
Securities and investments			3,000.00	8,000.00	11,000.00
Accounts receivable	672.49	3,772.63	1,746.35	1,037.26	1,536.70
Inventories		1,480.45			8.12
Sinking fund on local debentures					
Equity in H-E.P.C. systems	10,772.64	39,154.86	10,127.62	18,122.16	17,984.60
Other assets					
Total assets	47,059.51	116,570.61	36,552.39	49,336.57	50,082.78
Deficit					
Total	47,059.51	116,570.61	36,552.39	49,336.57	50,082.78
LIABILITIES					
Debenture balance		4,284.55	1,215.86	2,191.46	1,530.13
Accounts payable	0.80	4,949.99	783.27	39.53	
Bank overdraft				27.11	
Other liabilities	210.00	1,863.47	155.00	10.00	1,216.22
Total liabilities	210.80	11,098.01	2,154.13	2,268.10	2,746.35
RESERVES					
For equity in H-E.P.C. systems	10,772.64	39,154.86	10,127.62	18,122.16	17,984.60
For depreciation	9,730.97	20,090.44	5,724.96	8,239.34	7,225.44
Other reserves		208.44			25.02
Total reserves	20,503.61	59,453.74	15,852.58	26,361.50	25,235.06
SURPLUS					
Debentures paid	8,500.00	9,715.45	14,816.66	10,308.54	4,004.06
Local sinking fund					
Operating surplus	17,845.10	36,303.41	3,729.02	10,398.43	18,097.31
Total surplus	26,345.10	46,018.86	18,545.68	20,706.97	22,101.37
Total liabilities, reserves and surplus	47,059.51	116,570.61	36,552.39	49,336.57	50,082.78
Percentage of net debt to total assets	0.6	12.7	8.2	7.3	8.6

"A"—Continued

Hydro Municipalities as at December 31, 1940

Brampton	Brantford	Brantford Twp.	Bridgeport	Brigden	Brussels	Burford
5,695	31,309		P.V.	P.V.	814	P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
5,355.12	114,349.56	....	....	1,482.03	....	202.00
35,006.39	300,671.49	1,192.71	....	....	....	....
54,049.55	281,882.69	65,526.50	10,104.64	8,652.70	14,418.24	9,419.77
....	....	....	....	....	....	....
36,239.23	188,542.15	19,450.05	3,275.45	2,825.58	3,046.95	3,578.93
30,734.52	154,191.87	15,710.89	2,774.21	2,558.67	4,307.60	3,871.59
12,434.99	24,922.76	5,387.82	1,635.60	494.23	1,587.79	425.14
....	38,922.18	....	....	....	....	....
21,478.80	43,261.98	2,839.08	664.36	1,292.10	1,537.56	736.43
....	....	....	....	....	....	....
....	6,000.00	....	....	....	2,827.50	....
195,298.60	1,152,744.68	110,107.05	18,454.26	17,305.31	27,725.64	18,233.86
66.00	5,514.56	7,858.06	2,218.19	378.42	1,190.80	3,702.24
2,412.18	51,500.00	....	....	2,500.00	8,500.00	3,000.00
6,878.00	24,005.81	347.49	364.66	1,009.83	1,246.21	610.34
153.62	11,256.20	....	....	....	....	....
....	....	....	....	....	....	....
177,834.28	935,988.05	35,387.32	6,523.59	12,275.79	13,558.61	14,191.58
....	....	....	100.00	....	....	....
382,642.68	2,181,009.30	153,699.92	27,660.70	33,469.35	52,221.26	39,738.02
....	....	....	....	....	....	....
382,642.68	2,181,009.30	153,699.92	27,660.70	33,469.35	52,221.26	39,738.02
....	52,750.00	....	6,964.70	....	4,740.78	....
10,303.67	8,515.79	1,022.98	45.49	549.04	....	82.56
4,235.42	15,008.96	....	....	....	....	....
747.96	60,064.56	2,045.87	174.87	30.00	75.73	73.08
15,287.05	136,339.31	3,068.85	7,185.06	579.04	4,816.51	155.64
177,834.28	935,988.05	35,387.32	6,523.59	12,275.79	13,558.61	14,191.58
64,139.05	406,375.02	28,766.27	6,387.49	5,290.65	8,471.68	6,871.89
216.64	25,014.53	55.46	....	97.24	....	....
242,189.97	1,367,377.60	64,209.05	12,911.08	17,663.68	22,030.29	21,063.47
69,050.64	477,250.00	57,125.66	5,403.33	8,000.00	16,259.22	9,000.00
....	....	....	....	....	....	....
56,115.02	200,042.39	29,296.36	2,161.23	7,226.63	9,115.24	9,518.91
125,165.66	677,292.39	86,422.02	7,564.56	15,226.63	25,374.46	18,518.91
382,642.68	2,181,009.30	153,699.92	27,660.70	33,469.35	52,221.26	39,738.02
7.5	10.2	2.6	34.0	2.7	12.5	0.6

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Burgess-ville	Caledonia	Campbell-ville	Cayuga	Chatham
Population	P.V.	1,425	P.V.	658	16,910
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings		224.96			90,216.28
Substation equipment					154,326.67
Distribution system—overhead	3,674.57	19,168.87	3,002.37	19,259.42	152,335.80
Distribution system—underground					86,297.88
Line transformers	1,395.24	6,848.37	820.55	5,389.92	95,361.30
Meters	1,161.12	8,033.50	758.28	4,127.77	75,596.86
Street light equipment, regular	261.02	2,005.32	335.61	1,301.17	20,047.03
Street light equipment, ornamental					35,426.10
Miscellaneous construction expense	457.22	1,791.68	10.72	603.36	31,593.71
Steam or hydraulic plant					
Old plant					42,752.31
Total plant	6,949.17	38,072.70	4,927.53	30,681.64	783,953.94
Bank and cash balance	1,360.10	1,606.42	401.01	407.33	1,910.63
Securities and investments		3,000.00	2,100.00	1,000.00	35,000.00
Accounts receivable	524.51	347.99	516.35	1,203.56	44,384.54
Inventories		1,169.15		354.75	9,930.01
Sinking fund on local debentures					
Equity in H-E.P.C. systems	5,523.44	23,572.73	2,684.24	10,064.20	411,496.26
Other assets					
Total assets	14,357.22	67,768.99	10,629.13	43,711.48	1,286,675.38
Deficit					
Total	14,357.22	67,768.99	10,629.13	43,711.48	1,286,675.38
LIABILITIES					
Debenture balance			1,304.95	5,866.18	132,740.62
Accounts payable	25.62	197.62	7.75	1,321.23	16,444.35
Bank overdraft					
Other liabilities		64.50		170.00	45,068.80
Total liabilities	25.62	262.12	1,312.70	7,357.41	194,253.77
RESERVES					
For equity in H-E.P.C. systems	5,523.44	23,572.73	2,684.24	10,064.20	411,496.26
For depreciation	3,511.14	3,938.19	1.416.21	6,622.02	182,666.49
Other reserves				66.21	23,493.25
Total reserves	9,034.58	27,510.92	4,100.45	16,752.43	617,656.00
SURPLUS					
Debentures paid	3,500.00	4,624.00	4,142.82	14,133.82	237,259.38
Local sinking fund					
Operating surplus	1,797.02	35,371.95	1,073.16	5,467.82	237,506.23
Total surplus	5,297.02	39,995.95	5,215.98	19,601.64	474,765.61
Total liabilities, reserves and surplus	14,357.22	67,768.99	10,629.13	43,711.48	1,286,675.38
Percentage of net debt to total assets	0.3	0.6	16.5	21.9	20.0

"A"—Continued

Hydro Municipalities as at December 31, 1940

Chippawa 1,172	Clifford 456	Clinton 1,879	Comber P.V.	Cottam P.V.	Courtright 344	Dashwood P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,434.46	......	10,227.74	62.00	475.63	......	......
......	......	7,598.09	......	......	......	......
11,822.73	8,157.49	26,422.74	7,923.45	9,810.11	6,558.19	3,811.61
......	......	......	......	......	......	......
7,172.84	1,429.64	10,858.69	4,374.14	2,133.74	1,225.40	2,400.81
6,245.68	2,487.48	10,720.05	2,681.89	2,062.91	945.92	1,770.77
3,141.60	1,014.93	5,605.10	423.35	366.43	425.08	364.52
......	......	......	......	......	......	......
1,456.12	37.44	5,409.34	1,167.69	259.48	625.16	312.11
......	......	......	......	......	......	......
......	......	10,658.09	......	......	......	......
31,273.43	13,126.98	87,499.84	16,632.52	15,108.30	9,779.75	8,659.82
5,695.97	3,307.39	3,998.02	87.56	338.33	4,702.92	1,971.83
......	......	3,000.00	6,000.00	5,283.84	......	1,500.00
615.43	732.32	4,114.88	413.56	473.91	274.81	610.80
......	......	3,438.91	......	......	......	......
......	......	......	......	......	......	......
17,806.71	7,346.28	48,364.95	19,244.17	4,540.56	5,903.96	8,748.60
......	......	......	......	......	......	......
55,391.54	24,512.97	150,416.60	42,377.81	25,744.94	20,661.44	21,491.05
......	......	......	......	......	......	......
55,391.54	24,512.97	150,416.60	42,377.81	25,744.94	20,661.44	21,491.05
246.78	5,278.57	......	......	3,762.26	......	1,168.70
73.65	35.46	176.12	511.80	.22	25.53	28.94
......	......	......	......	......	......	......
770.50	......	412.22	50.00	200.00	......	......
1,090.93	5,314.03	588.34	561.80	3,962.48	25.53	1,197.64
17,806.71	7,346.28	48,364.95	19,244.17	4,540.56	5,903.96	8,748.60
5,130.23	3,413.17	26,458.09	7,051.12	5,155.48	2,359.40	3,426.22
......	......	555.86	......	......	14.21	......
22,936.94	10,759.45	75,378.90	26,295.29	9,696.04	8,277.57	12,174.82
13,103.22	2,721.43	44,500.00	7,700.00	5,237.96	8,138.35	2,231.30
......	......	......	......	......	......	......
18,260.45	5,718.06	29,949.36	7,820.72	6,848.46	4,219.99	5,887.29
31,363.67	8,439.49	74,449.36	15,520.72	12,086.42	12,358.34	8,118.59
55,391.54	24,512.97	150,416.60	42,377.81	25,744.94	20,661.44	21,491.05
2.9	30.9	0.6	2.4	18.7	0.2	9.4

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Delaware	Delhi	Dorchester	Drayton	Dresden
Population	P.V.	2,544	P.V.	528	1,572
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings		2,177.24			
Substation equipment					523.00
Distribution system—overhead	5,169.39	27,755.94	9,358.41	9,887.44	19,719.73
Distribution system—underground					
Line transformers	1,819.08	15,898.51	3,317.06	4,143.43	8,462.31
Meters	1,363.78	11,725.10	2,804.54	3,601.15	7,426.69
Street light equipment, regular	202.58	3,679.11	907.18	772.21	1,652.15
Street light equipment, ornamental					
Miscellaneous construction expense	203.81	3,995.17	328.41	458.73	1,220.00
Steam or hydraulic plant					
Old plant		28,518.74			4,815.01
Total plant	8,758.64	93.749.81	16,715.60	18,862.96	43,818.89
Bank and cash balance	449.09	7,813.78	717.43	968.18	980.24
Securities and investments	1,000.00		2,000.00	5,000.00	4,000.00
Accounts receivable	381.57	4,732.11	1,204.05	827.56	3,887.63
Inventories		2,708.92			1,167.68
Sinking fund on local debentures					
Equity in H-E.P.C. systems	3,392.83	4,015.97	7,868.19	13,017.32	33,085.01
Other assets	294.64				250.08
Total assets	14,276.77	113,020.59	28,505.27	38,676.02	87,189.53
Deficit					
Total	14,276.77	113,020.59	28,505.27	38,676.02	87,189.53
LIABILITIES					
Debenture balance	923.18	81,232.12	1,210.34	3,857.76	
Accounts payable	17.50	148.25	0.32	38.13	436.43
Bank overdraft					
Other liabilities		1,346.71	25.00		310.00
Total liabilities	940.68	82,727.08	1,235.66	3,895.89	746.43
RESERVES					
For equity in H-E.P.C. systems	3,392.83	4,015.97	7,868.19	13,017.32	33,085.01
For depreciation	680.93	7,323.38	3,902.77	8,572.16	6,151.06
Other reserves	30.00		46.17		1,666.28
Total reserves	4,103.76	11,339.35	11,817.13	21,589.48	40,902.35
SURPLUS					
Debentures paid	3,076.82	3,767.88	3,089.66	5,642.24	16,238.25
Local sinking fund					
Operating surplus	6,155.51	15,186.28	12,362.82	7,548.41	29,302.50
Total surplus	9,232.33	18,954.16	15,452.48	13,190.65	45,540.75
Total liabilities, reserves and surplus	14,276.77	113,020.59	28,505.27	38,676.02	87,189.53
Percentage of net debt to total assets	8.6	75.9	6.0	15.2	1.3

"A"—Continued

Hydro Municipalities as at December 31, 1940

Drumbo P.V.	Dublin P.V.	Dundas 5,012	Dunnville 3,870	Dutton 843	East York Twp.	Elmira 2,069
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
....	....	16,856.93	3,356.09	75.11	23,728.18	7,458.03
....	....	13,999.39	39,710.85	....	8,893.55	....
4,708.32	5,886.34	51,399.30	40,779.68	10,085.95	336,827.92	35,930.32
....	....	....	....	....	....	540.21
1,801.50	1,354.25	22,946.49	23,042.00	3,791.29	98,636.22	15,413.30
2,029.28	1,121.68	23,667.17	20,418.75	3,568.04	156,164.17	13,849.85
284.27	544.86	11,535.93	9,637.09	754.38	27,226.28	2,134.89
....	....	1,154.52	....	....	....	....
235.58	803.25	6,478.24	7,891.53	307.03	21,411.33	2,630.25
....	....	....	....	....	....	....
....	....	1,867.38	10,717.62	....	....	2,168.08
9,058.95	9,710.38	149,905.35	155,553.61	18,581.80	672,887.65	80,124.93
6,399.52	1,645.73	30,279.64	3,363.84	255.34	5,932.94	4,024.58
....	....	1,500.00	10,000.00	7,000.00	....	13,500.00
308.65	380.17	1,206.66	6,338.94	394.13	14,390.27	1,839.53
....	....	296.87	1,696.38	....	9,398.54	....
....	....	....	....	....	....	....
6,844.45	5,893.78	144,669.31	64,261.68	20,428.69	284,282.25	79,533.65
....	....	96.40	....	....	268.38	....
22,611.57	17,630.06	327,954.23	241,214.45	46,659.96	987,160.03	179,022.69
....	....	....	....	....	....	....
22,611.57	17,630.06	327,954.23	241,214.45	46,659.96	987,160.03	179,022.69
1,038.00	....	7,836.97	27,955.84	....	139,083.43	10,818.67
....	37.23	1,094.49	121.32	....	35,006.19	....
....	....	....	....	....	....	....
....	6.00	7,993.27	2,031.27	202.36	16,817.38	733.65
1,038.00	43.23	16,924.73	30,108.43	202.36	190,907.00	11,552.32
6,844.45	5,893.78	144,669.31	64,261.68	20,428.69	284,282.25	79,533.65
5,177.76	5,046.85	66,234.91	41,075.27	9,386.73	110,337.26	27,976.39
....	....	370.56	....	34.22	2,468.85	....
12,022.21	10,940.63	211,274.78	105,336.95	29,849.64	397,088.36	107,510.04
3,462.00	6,200.00	45,163.03	47,544.16	8,407.49	217,984.35	26,349.83
....	....	....	....	....	....	....
6,089.36	446.20	54,591.69	58,224.91	8,200.47	181,180.32	33,610.50
9,551.36	6,646.20	99,754.72	105,769.07	16,607.96	399,164.67	59,960.33
22,611.57	17,630.06	327,954.23	241,214.45	46,659.96	987,160.03	179,022.69
7.0	0.4	8.6	17.0	0.8	27.1	11.6

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Elora	Embro	Erieau	Erie Beach	Essex
Population	1,187	435	295	21	1,854
	$ c.	$ c.	$ c.	$ c.	$ c.
ASSETS					
Lands and buildings	1,524.54				
Substation equipment					
Distribution system—overhead	18,421.75	10,447.93	11,375.88	2,586.48	39,224.81
Distribution system—underground					442.55
Line transformers	8,011.79	4,161.59	2,495.04	925.32	18,462.13
Meters	6,788.67	2,333.10	3,262.71	900.39	12,706.19
Street light equipment, regular	1,258.49	535.73	435.74		1,613.78
Street light equipment, ornamental					7,205.06
Miscellaneous construction expense	1,214.11	69.45	379.90	375.03	1,563.50
Steam or hydraulic plant					
Old plant		429.25			
Total plant	37,219.35	17,977.05	17,949.27	4,787.22	81,218.02
Bank and cash balance	1,249.56	1,531.53		1,355.35	5,263.61
Securities and investments	7,500.00	1,000.00			15,000.00
Accounts receivable	1,177.69	815.51	1,169.46	338.87	1,748.46
Inventories	252.78				
Sinking fund on local debentures					
Equity in H-E.P.C. systems	38,261.88	11,612.12	6,666.83	1,686.78	32,301.24
Other assets	92.76				
Total assets	85,754.02	32,936.21	25,785.56	8,168.22	135,531.33
Deficit					
Total	85,754.02	32,936.21	25,785.56	8,168.22	135,531.33
LIABILITIES					
Debenture balance			1,648.82	1,415.07	14,845.94
Accounts payable			257.09	186.00	99.02
Bank overdraft			569.83		
Other liabilities	86.25		40.00		7,817.26
Total liabilities	86.25		2,515.74	1,601.07	22,762.22
RESERVES					
For equity in H-E.P.C. systems	38,261.88	11,612.12	6,666.83	1,686.78	32,301.24
For depreciation	16,905.69	5,967.09	4,344.93	668.70	22,863.59
Other reserves		32.23	73.02		518.75
Total reserves	55,167.57	17,611.44	11,084.78	2,355.48	55,683.58
SURPLUS					
Debentures paid	13,000.00	7,500.00	5,234.31	1,884.93	7,654.06
Local sinking fund					
Operating surplus	17,500.20	7,824.77	6,950.73	2,326.74	49,431.47
Total surplus	30,500.20	15,324.77	12,185.04	4,211.67	57,085.53
Total liabilities, reserves and surplus	85,754.02	32,936.21	25,785.56	8,168.22	135,531.33
Percentage of net debt to total assets	0.2	0.0	13.2	24.7	16.2

"A"—Continued

Hydro Municipalities as at December 31, 1940

Etobicoke Twp.	Exeter 1,654	Fergus 2,732	Fonthill 860	Forest 1,520	Forest Hill 11,757	Galt 14,286
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
34,242.95	3,335.73	....	....	6,517.15	8,669.88	202,082.05
....	....	....	....	....	80,767.90	122,628.76
320,144.67	32,301.27	35,456.10	12,274.75	23,167.03	184,144.96	275,583.06
....	....	....	....	....	2,257.93	....
100,100.32	11,895,95	21,207.06	5,875.67	11,628.14	105,183.52	131,364.50
75,432.48	8,929.36	14,141.95	5,028.47	11,177.27	61,513.12	80,006.78
15,164.53	4,693.43	2,588.89	1,712.47	2,615.57	8,219.56	72,411.97
2,689.44	....	3,537.86	....	....	16,795.63	....
18,984.22	2,764.66	840.04	197.71	1,879.14	18,012.15	24,662.11
....	....	....	....	....	....	....
....	....	2,546.59	3,500.00	11,042.87	....	....
566,758.61	63,920.40	80,318.49	28,589.07	68,027.17	485,564.65	908,739.23
....	2,170.97	1,783.83	3,035.43	2,226.65	30,254.08	415.09
....	12,000.00	....	....	12,510.00	....	68,000.00
14,386.15	4,166.48	5,247.03	290.45	4,201.07	9,769.00	55,589.68
10,698.12	1,521.03	102.59	....	2,579.88	....	31,365.41
....	....	....	....	....	....	....
225,644.35	43,357.74	64,674.58	6,552.41	34,359.76	173,420.65	562,417.37
....	....	474.61	....	....	390.56	46.63
817,487.23	127,136.62	152,601.13	38,467.36	123,904.53	699,398.94	1,626,573.41
....	....	....	....	....	....	....
817,487.23	127,136.62	152,601.13	38,467.36	123,904.53	699,398.94	1,626,573.41
93,661.71	....	9,430.53	8,360.45	3,712.63	300,235.12	45,377.04
30,341.90	....	3,908.95	....	158.29	1,988.13	28,364.65
22,273.78	....	....	....	....	....	29,125.76
10,827.38	196.50	3,617.11	354.30	85.96	28,182.81	2,894.88
157,104.77	196.50	16,956.59	8,714.75	3,956.88	330,406.06	105,762.33
225,644.35	43,357.74	64,674.58	6,552.41	34,359.76	173,420.65	562,417.37
122,749.64	17,982.32	13,905.20	3,477.30	19,486.45	98,959.43	341,671.88
1,436.45	534.61	4,084.34	....	122.70	750.00	28,548.97
349,830.44	61,874.67	82,664.12	10,029.71	53,968.91	273,130.08	932,638.22
172,033.69	20,000.05	32,569.47	14,139.55	30,687.37	62,546.48	472,624.91
....	....	....	....	....	....	....
138,518.33	45,065.40	20,410.95	5,583.35	35,291.37	33,316.32	115,547.95
310,552.02	65,065.45	52,980.42	19,722.90	65,978.74	95,862.80	588,172.86
817,487.23	127,136.62	152,601.13	38,467.36	123,904.53	699,398.94	1,626,573.41
26.2	0.2	15.9	27.3	4.4	61.6	9.9

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Georgetown	Glencoe	Goderich	Granton	Guelph
Population	2,427	726	4,484	P.V.	21,518
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	1,290.51	3,407.70	13,569.89		13,669.09
Substation equipment			34,402.48		164,471.55
Distribution system—overhead	35,703.57	21,630.76	72,259.73	4,472.19	260,435.86
Distribution system—underground					
Line transformers	23,527.33	7,063.35	21,883.97	1,696.30	111,712.39
Meters	15,729.09	4,603.56	21,525.53	1,654.60	108,864.73
Street light equipment, regular	4,570.34	1,735.09	9,152.70	180.78	44,641.01
Street light equipment, ornamental					
Miscellaneous construction expense	2,608.98	3,512.03	6,138.30	113.08	16,789.79
Steam or hydraulic plant					
Old plant	2,209.80		14,622.15		
Total plant	85,639.62	41,952.49	193,554.75	8,116.95	720,584.42
Bank and cash balance	6,302.92	4,835.37	19,572.41	932.97	17,697.00
Securities and investments	5,979.82	3,000.00	16,500.00	4,000.00	10,000.00
Accounts receivable	5,584.77	2,956.81	6,448.86	544.12	7,351.70
Inventories		237.75	1,803.58		20,797.67
Sinking fund on local debentures					
Equity in H-E.P.C. systems	106,972.38	21,086.56	127,320.47	8,344.80	686,018.14
Other assets					
Total assets	210,479.51	74,068.98	365,200.07	21,938.84	1,462,448.93
Deficit					
Total	210,479.51	74,068.98	365,200.07	21,938.84	1,462,448.93
LIABILITIES					
Debenture balance	3,883.80		30,903.20	1,071.54	
Accounts payable	167.59	71.43	1,826.82	271.03	29,150.16
Bank overdraft					
Other liabilities	1,347.08	140.00	2,801.46		2,717.95
Total liabilities	5,398.47	211.43	35,531.48	1,342.57	31,868.11
RESERVES					
For equity in H-E.P.C. systems	106,972.38	21,086.56	127,320.47	8,344.80	686,018.14
For depreciation	21,050.58	13,454.57	93,094.40	3,816.35	148,895.97
Other reserves		378.82	885.08	60.00	1,185.48
Total reserves	128,022.96	34,919.95	221,299.95	12,221.15	836,099.59
SURPLUS					
Debentures paid	16,116.20	20,112.88	65,184.85	2,428.46	145,000.00
Local sinking fund					
Operating surplus	60,941.88	18,824.72	43,183.79	5,946.66	449,481.23
Total surplus	77,058.08	38,937.60	108,368.64	8,375.12	594,481.23
Total liabilities, reserves and surplus	210,479.51	74,068.98	365,200.07	21,938.84	1,462,448.93
Percentage of net debt to total assets	5.2	0.4	14.9	9.9	4.1

"A"—Continued

Hydro Municipalities as at December 31, 1940

Hagersville	Hamilton	Harriston	Harrow	Hensall	Hespeler	Highgate
1,369	154,690	1,326	1,055	696	2,895	324
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
....	962,374.66	395.25	2,318.16	....	4,684.43	....
864.37	2,167,028.88	600.00	....	....	39,867.91	....
21,245.56	1,259,889.80	22,582.88	19,396.62	12,339.16	32,036.10	8,688.89
....	790,380.59	....	....	....	....	....
11,263.05	894,387.13	8,517.01	11,031.57	5,413.17	24,184.26	2,109.25
9,768.20	763,484.29	9,317.30	7,662.96	3,842.66	13,639.88	1,801.55
1,135.27	285,918.55	1,332.00	943.46	612.83	8,137.40	453.91
....	....	....	....	....	....	....
1,226.21	115,819.07	1,033.24	1,244.61	692.46	1,418.72	491.60
....	....	....	....	....	....	....
....	3,242.99	1,001.43	....	400.00	....	....
45,502.66	7,242,525.96	44,779.11	42,597.38	23,300.28	123,968.70	13,545.20
3,197.20	62,943.90	1,897.40	2,194.35	3,301.19	13,088.78	....
20,000.00	....	5,000.00	....	7,000.00	5,000.00	3,000.00
276.53	374,744.96	1,760.17	1,675.86	1,559.36	2,086.88	2,047.85
....	156,044.14	48.18	304.70	....	322.43	....
....	516,855.03	....	....	....	....	....
78,997.55	4,927,615.12	34,949.35	25,836.86	17,037.50	118,619.86	10,017.88
....	84,041.72	219.93	....	....	....	....
147,973.94	13,364,770.83	88,654.14	72,609.15	52,198.33	263,086.65	28,610.93
....	....	....	....	....	....	....
147,973.94	13,364,770.83	88,654.14	72,609.15	52,198.33	263,086.65	28,610.93
1,062.90	1,774,000.00	5,018.44	828.94	3,436.30	19,354.50	....
783.59	335,742.14	....	2,378.28	688.05	352.37	564.93
....	....	....	....	....	....	97.78
430.00	*742,554.95	80.82	429.26	36.00	10.00	65.00
2,276.49	2,852,297.09	5,099.26	3,636.48	4,160.35	19,716.87	727.71
78,997.55	4,927,615.12	34,949.35	25,836.86	17,037.50	118,619.86	10,017.88
13,825.70	1,355,999.23	11,840.43	8,157.33	10,583.78	23,820.93	6,313.21
....	668,680.04	....	136.30	....	215.72	....
92,823.25	6,952,294.39	46,789.78	34,130.49	27,621.28	142,656.51	16,331.09
6,937.10	2,286,275.19	20,799.59	11,171.06	8,563.70	58,216.01	5,000.00
....	516,855.03	....	....	....	....	....
45,937.10	757,049.13	15,965.51	23,671.12	11,853.00	42,497.26	6,552.13
52,874.20	3,560,179.35	36,765.10	34,842.18	20,416.70	100,713.27	11,552.13
147,973.94	13,364,770.83	88,654.14	72,609.15	52,198.33	263,086.65	28,610.93
3.3	29.4	9.5	7.8	11.8	13.6	3.9

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*$700,000.00 balance re purchase agreement.

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Humberstone	Ingersoll	Jarvis	Kingsville	Kitchener
Population	2,784	5,302	536	2,360	33,080
Assets	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings		15,149.95		8,588.77	239,154.45
Substation equipment		33,263.83			323,127.07
Distribution system—overhead	27,823.40	57,944.34	9,976.05	34,469.44	389,785.86
Distribution system—underground					58,289.98
Line transformers	11,851.13	32,779.05	3,151.56	15,704.68	219,567.87
Meters	10,121.48	27,993.10	2,925.44	15,717.27	224,292.73
Street light equipment, regular	884.80	4,988.75	929.54	1,470.29	73,393.92
Street light equipment, ornamental		4,597.59		19,200.00	126,922.86
Miscellaneous construction expense	3,637.97	12,319.66	625.81	902.49	16,283.44
Steam or hydraulic plant					
Old plant		19,098.54			52,363.91
Total plant	54,318.78	208,134.81	17,608.40	96,052.94	1,723,182.09
Bank and cash balance	7,970.79	12,194.59	5,335.33	1,001.60	185,977.75
Securities and investments	11,000.00	10,337.43	4,000.00	20,000.00	
Accounts receivable	560.75	3,536.48	147.97	1,859.23	69,188.96
Inventories		1,573.55		180.46	17,154.29
Sinking fund on local debentures		24,393.68			
Equity in H-E.P.C. systems	21,886.02	189,955.48	15,550.38	42,227.98	1,341,970.74
Other assets					698.17
Total assets	95,736.34	450,126.02	42,642.08	161,322.21	3,338,172.00
Deficit					
Total	95,736.34	450,126.02	42,642.08	161,322.21	3,338,172.00
Liabilities					
Debenture balance	8,000.00	25,000.00	2,370.50	22,621.59	291,307.41
Accounts payable	3.90	956.98	23.11	178.33	86,350.16
Bank overdraft					
Other liabilities	1,763.42	6,495.59		22,256.77	127,836.98
Total liabilities	9,767.32	32,452.57	2,393.61	45,056.69	505,494.55
Reserves					
For equity in H-E.P.C. systems	21,886.02	189,955.48	15,550.38	42,227.98	1,341,970.74
For depreciation	7,610.85	34,816.60	5,325.99	26,930.62	446,172.22
Other reserves		635.49		394.92	7,445.48
Total reserves	29,496.87	225,407.57	20,876.37	69,553.52	1,795,588.44
Surplus					
Debentures paid	24,000.00	54,800.00	8,129.50	10,878.41	445,842.59
Local sinking fund		24,393.68			
Operating surplus	32,472.15	113,072.20	11,242.60	35,833.59	591,246.42
Total surplus	56,472.15	192,265.88	19,372.10	46,712.00	1,037,089.01
Total liabilities, reserves and surplus	95,736.34	450,126.02	42,642.08	161,322.21	3,338,172.00
Percentage of net debt to total assets	13.2	1.5	8.8	25.9	20.2

"A"—Continued

Hydro Municipalities as at December 31, 1940

Lambeth P.V.	La Salle 873	Leamington 5,811	Listowel 2,892	London 74,000	London Twp.	Long Branch 4,200
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
....	1,210.68	18,580.07	1,459.49	456,190.49	....	....
....	....	7,085.62	....	1,043,160.17	....	....
8,957.92	21,144.07	60,007.13	46,428.83	825,988.04	22,456.29	59,250.51
....	....	17,209.04	5,522.87	368,515.01	....	....
1,883.12	6,775.22	26,849.09	22,565.74	377,408.04	8,176.91	16,207.85
2,695.25	4,751.85	28,487.22	17,926.81	383,543.14	6,041.35	20,386.90
1,052.75	1,054.22	1,438.72	2,995.27	72,911.72	1,590.46	4,805.63
....	....	15,178.49	1,539.79	92,286.12	....	....
315.71	2,070.14	3,390.96	2,765.90	133,189.65	496.31	2,547.55
....	....	....	....	....	....	....
....	....	....	4,745.30	....	1,733.80	....
14,904.75	37,006.18	178,226.34	105,950.00	3,753,192.38	40,495.12	103,198.44
....	3,620.52	683.31	2,132.02	117,108.82	442.48	6,680.85
2,000.00	3,000.00	32,500.00	7,000.00	40,000.00	....	....
848.75	275.98	3,185.14	3,322.30	207,490.64	1,646.01	6,847.09
....	22.50	....	144.00	110,369.36	....	....
....	....	....	....	499,802.97	....	....
10,045.55	14,538.61	89,740.38	79,814.76	2,525,132.36	21,115.02	26,786.08
....	....	....	....	3,303.18	....	....
27,799.05	58,463.79	304,335.17	198,363.08	7,256,399.71	63,698.63	143,512.46
....	....	....	....	....	....	....
27,799.05	58,463.79	304,335.17	198,363.08	7,256,399.71	63,698.63	143,412.46
....	5,692.43	....	....	528,311.37	3,512.69	10,576.24
47.35	1,081.34	520.89	34.75	159,982.22	526.59	2,756.99
84.53	....	....	....	....	1,018.44	....
105.00	769.21	18,269.04	1,969.84	96,954.53	442.48	3,008.49
236.88	7,542.98	18,789.93	2,004.59	785,248.12	5,500.20	16,341.72
10,045.55	14,538.61	89,740.38	79,814.76	2,525,132.36	21,115.02	26,786.08
5,369.22	11,542.84	41,823.02	44,807.75	1,390,141.64	10,232.78	22,913.63
42.08	207.00	132.68	....	110,175.26	42.97	364.38
15,456.85	26,288.45	131,696.08	124,622.51	4,025,449.26	31,390.77	50,064.09
4,000.00	9,807.57	48,000.00	43,189.89	1,053,588.63	15,487.31	29,728.36
....	....	....	....	499,802.97	....	....
8,105.32	14,824.79	105,849.16	28,546.09	892,310.73	11,320.35	47,378.29
12,105.32	24,632.36	153,849.16	71,735.98	2,445,702.33	26,807.66	77,106.65
27,799.05	58,463.79	304,335.17	198,363.08	7,256,399.71	63,698.63	143,512.46
1.3	17.2	1.8	0.4	4.7	12.9	14.0

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality	Lucan	Lynden	Markham	Merlin	Merritton
Population	599	P.V.	1.170	P.V.	2,656
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	375.45	241.18	....	....	6,764.41
Substation equipment	....	....	....	....	82,450.59
Distribution system—overhead	11,562.12	4,805.02	18,996.23	8,768.96	39,514.53
Distribution system—underground	....	....	....	....	....
Line transformers	4,707.48	3,136.23	9,823.85	3,631.86	10,765.05
Meters	3,903.82	2,114.07	7,054.49	2,462.90	14,088.23
Street light equipment, regular	4,549.30	354.06	753.91	570.46	4,763.80
Street light equipment, ornamental	....	....	....	....	....
Miscellaneous construction expense	862.78	253.57	1,335.06	466.29	3,256.31
Steam or hydraulic plant	....	....	....	....	....
Old plant	2,860.45	....	....	241.85	....
Total plant	28,821.40	10,904.13	37,963.54	16,142.32	161,602.92
Bank and cash balance	1,900.07	1,890.24	2,244.90	1,857.55	11,403.35
Securities and investments	2,000.00	....	7,000.00	7,500.00	....
Accounts receivable	819.26	456.36	1,019.74	606.71	2,831.47
Inventories	....	....	....	....	....
Sinking fund on local debentures	....	....	....	....	....
Equity in H-E.P.C. systems	18,970.90	13,510.90	19,706.42	12,002.59	157,654.06
Other assets	....	....	123.53	....	....
Total assets	52,511.63	26,761.63	68,058.13	38,109.17	333,491.80
Deficit	....	....	....	....	....
Total assets	52,511.63	26,761.63	68,058.13	38,109.17	333,491.80
LIABILITIES					
Debenture balance	2,112.19	1,321.05	....	1,770.30	6,949.54
Accounts payable	31.62	23.03	959.54	156.28	8,617.89
Bank overdraft	....	....	....	....	....
Other liabilities	200.00	....	261.00	90.00	....
Total liabilities	2,343.81	1,344.08	1,220.54	2,016.58	15,567.43
RESERVES					
For equity in H-E.P.C. systems	18,970.90	13,510.90	19,706.42	12,002.59	157,654.06
For depreciation	7,713.68	3,611.88	7,288.78	4,378.36	22,923.72
Other reserves	....	....	117.26	23.40	2,500.00
Total reserves	26,684.58	17,122.78	27,112.46	16,404.35	183,077.78
SURPLUS					
Debentures paid	9,101.43	3,173.95	11,373.63	11,593.91	25,236.67
Local sinking fund	....	....	....	....	....
Operating surplus	14,381.81	5,120.82	28,351.50	8,094.33	109,609.92
Total surplus	23,483.24	8,294.77	39,725.13	19,688.24	134,846.59
Total liabilities, reserves and surplus	52,511.63	26,761.63	68,058.13	38,109.17	333,491.80
Percentage of net debt to total assets	7.0	10.1	2.5	7.7	8.9

"A"—Continued

Hydro Municipalities as at December 31, 1940

Milton 1,903	Milverton 997	Mimico 7,112	Mitchell 1,666	Moorefield P.V.	Mount Brydges P.V.	Newbury 275
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
13,814.55	761.88	20,406.60	18,438.97	...	...	...
16,418.16	...	38,847.72	16,198.38	...	...	...
23,251.37	12,338.22	80,014.78	32,963.84	3,086.96	7,589.72	6,945.58
...	...	...	...	...	...	...
16,595.97	8,101.30	39,693.48	14,564.51	1,211.63	1,845.43	1,768.11
14,702.44	5,151.06	32,260.62	12,686.92	1,311.68	2,731.68	1,392.80
5,043.13	765.09	10,061.81	7,177.93	295.88	1,385.36	881.47
...	...	...	...	...	...	...
4,205.93	664.58	10,052.63	2,282.12	355.95	156.00	623.93
...	...	...	...	...	...	...
3,092.54	...	...	1,380.00	...	...	348.22
97,124.09	27,782.13	231,337.64	105,692.67	6,262.10	13,708.19	11,960.11
527.98	408.08	13,761.98	1,403.44	2,947.27	4,120.87	2,334.32
2,000.00	5,000.00	9,000.00	6,800.00	...	4,500.00	...
5,143.00	958.09	1,437.10	9,867.51	398.54	953.20	1,128.19
3,527.88	...	...	5,886.14	...	...	...
...	...	...	...	...	...	...
103,199.27	43,857.36	145,326.44	45,458.13	6,336.97	7,858.41	4,624.01
...	...	...	...	...	...	119.36
211,522.22	78,005.66	400,863.16	175,107.89	15,944.88	31,140.67	20,165.99
...	...	...	...	...	...	...
211,522.22	78,005.66	400,863.16	175,107.89	15,944.88	31,140.67	20,165.99
2,207.26	...	39,592.71	...	...	1,107.78	700.00
107.77	124.86	979.89	242.13	150.90	290.43	.71
...	...	...	...	...	...	...
399.72	15.00	6,962.87	290.00	...	149.52	40.00
2,714.75	139.86	47,535.47	532.13	150.90	1,457.73	740.71
103,199.27	43,857.36	145,326.44	45,458.13	6,336.97	7,858.41	4,624.01
22,422.68	7,772.43	70,357.61	42,370.38	3,416.93	4,460.30	4,550.91
318.98	...	980.16	2,005.59	...	100.00	...
125,940.93	51,629.79	216,664.21	89,834.10	9,753.90	12,418.71	9,174.92
30,839.15	9,500.00	87,407.29	22,295.22	4,500.00	3,202.22	9,054.39
...	...	...	...	...	...	...
52,027.39	16,736.01	49,256.19	62,446.44	1,540.08	14,062.01	1,195.97
82,866.54	26,236.01	136,663.48	84,741.66	6,040.08	17,264.23	10,250.36
211,522.22	78,005.66	400,863.16	175,107.89	15,944.88	31,140.67	20,165.99
2.5	0.4	18.6	0.4	1.6	6.3	4.8

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality Population	New Hamburg 1,446	New Toronto 7,175	Niagara Falls 18,770	Niagara-on the-Lake 1,764	North York Twp.
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	2,513.19	44,820.06	130,520.52	2,307.35	28,797.82
Substation equipment	1,217.05	....	230,899.67	17,035.74	....
Distribution system—overhead	24,951.89	91,900.31	199,021.06	35,754.94	451,158.77
Distribution system—underground	....	8,605.69	....	....	....
Line transformers	8,382.96	41,938.42	183,346.88	12,115.14	130,042.20
Meters	9,625.08	39,018.10	118,989.33	9,990.83	82,775.61
Street light equipment, regular	2,248.20	14,087.35	120,090.03	3,557.57	156.00
Street light equipment, ornamental	....	....	....	....	13,491.21
Miscellaneous construction expense	780.08	7,810.53	23,706.52	2,691.75	24,984.31
Steam or hydraulic plant	....	....	....	....	....
Old plant	5,242.56	....	18,305.17	....	....
Total plant	54,961.01	248,180.46	1,024,879.18	83,453.32	731,405.92
Bank and cash balance	25.00	28,917.66	45,178.55	1,272.21	22,571.70
Securities and investments	8,000.00	7,000.00	90,000.00	3,000.00	....
Accounts receivable	2,192.10	8,435.92	4,239.07	3,754.23	12,191.73
Inventories	568.12	3,187.51	11,439.87	2,319.05	256.04
Sinking fund on local debentures	....	....	....	....	....
Equity on H-E.P.C. systems	50,345.75	456,630.38	582,348.01	31,866.13	151,226.34
Other assets	....	....	1,099.15	....	....
Total assets	116,091.98	752,350.93	1,759,183.83	125,664.94	917,651.73
Deficit	....	....	....	....	....
Total	116,091.98	752,350.93	1,759,183.83	125,664.94	917,651.73
LIABILITIES					
Debenture balance	....	1,417.20	138,493.53	13,033.22	312,111.66
Accounts payable	5.00	369.35	3,695.15	688.70	3,493.64
Bank overdraft	1,509.90	....	....	....	....
Other liabilities	171.50	7,596.12	17,490.54	264.80	25,012.64
Total liabilities	1,686.40	9,382.67	159,679.22	13,986.72	340,617.94
RESERVES					
For equity in H-E.P.C. systems	50,345.75	456,630.38	582,348.01	31,866.13	151,226.34
For depreciation	17,185.26	69,008.36	276,627.28	18,690.16	127,443.64
Other reserves	33.83	1,431.92	12,992.56	1,089.49	2,905.44
Total reserves	67,564.84	527,070.66	871,967.85	51,645.78	281,575.42
SURPLUS					
Debentures paid	17,729.08	6,582.80	551,749.47	23,468.20	209,541.79
Local sinking fund	....	....	....	....	....
Operating surplus	29,111.66	209,314.80	175,787.29	36,564.24	85,916.58
Total surplus	46,840.74	215,897.60	727,536.76	60,032.44	295,458.37
Total liabilities, reserves and surplus	116,091.98	752,350.93	1,759,183.83	125,664.94	917,651.73
Percentage of net debt to total assets	2.6	3.2	13.6	14.9	43.4

"A"—Continued

Hydro Municipalities as at December 31, 1940

Norwich 1,302	Oil Springs 515	Otterville P.V.	Palmerston 1,393	Paris 4,409	Parkhill 1,022	Petrolia 2,772
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
4,660.42	6,299.16			8,781.50		900.00
			1,346.28	28,126.55		5,956.75
11,510.46	14,498.54	8,613.94	33,031.07	56,629.21	17,912.29	50,148.23
6,847.08	5,792.25	4,513.89	11,352.35	24,969.11	6,251.04	32,983.68
8,120.22	3,840.41	3,112.17	8,259.88	21,169.91	4,735.05	17,160.26
4,685.64	308.24	1,634.79	6,780.70	14,084.12	1,005.89	6,388.85
1,962.37	1,790.30	142.00	1,407.78	1,980.68	1,500.36	6,718.06
3,509.82			4,018.71			3,389.94
41,296.01	32,528.90	18,016.79	66,196.77	155,741.08	31,404.63	123,645.77
2,605.45	2,438.18	2,990.12	2,578.48	10,273.09	455.01	1,462.21
5,000.00	440.54			33,500.00	4,000.00	14,400.00
4,113.48	1,036.17	1,986.20	1,958.75	978.12	1,673.54	6,113.85
3,055.01	115.82		2,027.33	106.97		206.02
37,370.83	25,333.44	9,033.30	43,946.64	114,501.88	19,407.00	103,674.76
			2,633.29			
93,440.78	61,893.05	32,026.41	119,341.26	315,101.14	56,940.18	249,502.61
93,440.78	61,893.05	32,026.41	119,341.26	315,101.14	56,940.18	249,502.61
1,191.87			826.18	3,386.42	772.60	10,283.64
116.94	11.61	267.54	3,560.28	8.64	322.09	570.88
258.82	46.09	43.88	324.56		105.00	999.56
1,567.63	57.70	311.42	4,711.02	3,395.06	1,199.69	11,854.08
37,370.83	25,333.44	9,033.30	43,946.64	114,501.88	19,407.00	103,674.76
9,378.34	9,653.35	6,470.08	10,400.39	80,777.78	8,569.68	40,713.87
759.13	90.03		420.07	110.66		454.55
47,508.30	35,076.82	15,503.38	54,767.10	195,390.32	27,876.68	144,843.18
12,564.13	16,721.31	4,500.00	26,173.82	88,613.58	13,857.42	39,716.36
31,800.72	10,037.22	11,711.61	33,689.32	27,702.18	13,906.39	53,088.99
44,364.85	26,758.53	16,211.61	59,863.14	116,315.76	27,763.81	92,805.35
93,440.78	61,893.05	32,026.41	119,341.26	315,101.14	56,940.18	249,502.61
2.8	0.2	1.4	6.2	16.9	3.2	8.1

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality Population	Plattsville P.V.	Point Edward 1,175	Port Colborne 6,483	Port Credit 1,906	Port Dalhousie 1,595
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings			29,092.68	675.00	
Substation equipment					
Distribution system—overhead	4,515.78	22,060.45	94,509.70	33,136.83	21,864.93
Distribution system—underground					
Line transformers	2,359.26	7,633.43	30,893.91	13,116.10	14,354.83
Meters	2,203.91	5,830.39	26,429.17	12,372.54	11,362.81
Street light equipment, regular	158.29	3,223.07	4,983.41	5,169.65	1,041.19
Street light equipment, ornamental			16,611.59		
Miscellaneous construction expense	625.02	1,001.89	7,681.02	2,759.06	2,925.60
Steam or hydraulic plant					
Old plant			9,929.60		6,018.38
Total plant	9,862.26	39,749.23	220,131.08	67,229.18	57,567.74
Bank and cash balance	3,150.84	1,244.96	11,880.08	2,703.74	65.00
Securities and investments	2,000.00	13,000.00	12,500.00		3,000.00
Accounts receivable	731.94	4,383.02	21,059.81	3,651.10	5,436.85
Inventories		581.86	4,851.57		
Sinking fund on local debentures					4,937.34
Equity in H-E.P.C. systems	9,255.14	60,672.83	99,465.26	41,399.17	36,643.47
Other assets					
Total assets	25,000.18	119,631.90	369,887.80	114,983.19	107,650.40
Deficit					
Total	25,000.18	119,631.90	369,887.80	114,983.19	107,650.40
LIABILITIES					
Debenture balance	1,208.35	3,021.22	38,079.66	3,575.42	5,799.26
Accounts payable	640.17	3.98	220.76	4,642.73	2,261.41
Bank overdraft					896.29
Other liabilities		407.93	19,826.05	774.20	310.00
Total liabilities	1,848.52	3,433.13	58,126.47	8,992.35	9,266.96
RESERVES					
For equity in H-E.P.C. systems	9,255.14	60,672.83	99,465.26	41,399.17	36,643.47
For depreciation	4,107.87	15,678.83	57,788.26	20,900.17	8,595.48
Other reserves		116.45	3,452.07	505.75	895.38
Total reserves	13,363.01	76,468.11	160,705.59	62,805.09	46,134.33
SURPLUS					
Debentures paid	4,028.65	13,978.78	107,920.34	10,924.58	16,700.74
Local sinking fund					4,937.34
Operating surplus	5,760.00	25,751.88	43,135.40	32,261.17	30,611.03
Total surplus	9,788.65	39,730.66	151,055.74	43,185.75	52,249.11
Total liabilities, reserves and surplus	25,000.18	119,631.90	369,887.80	114,983.19	107,650.40
Percentage of net debt to total assets	11.7	6.0	16.4	12.2	6.6

"A"—Continued

Hydro Municipalities as at December 31, 1940

Port Dover 1,864	Port Rowan 706	Port Stanley *824	Preston 6,292	Princeton P.V.	Queenston P.V.	Richmond Hill 1,317
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
248.75	....	1,574.60	....	....	....	....
....	....	....	56,955.28	....	....	600.00
35,668.33	10,233.74	27,095.19	91,129.81	4,391.26	8,571.83	11,467.27
....	....	....	....	....	....	....
13,211.68	1,883.34	13,298.52	50,818.82	3,073.16	3,281.64	10,152.03
10,427.64	2,549.52	11,565.06	40,933.89	1,453.72	1,800.22	6,580.25
2,723.08	940.33	2,091.66	5,510.44	207.93	435.63	1,334.77
....	....	....	....	....	....	....
3,772.69	724.95	7,154.71	8,773.43	107.07	2,579.57	911.37
....	....	....	....	....	....	....
....	....	577.51	32,126.75	....	....	....
66,052.17	16,331.88	63,357.25	286,248.42	9,233.14	16,668.89	31,045.69
3,380.22	1,636.18	1,789.53	19,689.92	4,832.58	1,701.60	2,248.85
....	4,000.00	8,000.00	....	....	....	....
2,936.02	585.55	1,936.29	12,988.86	652.10	607.76	1,296.24
58.77	....	....	5,022.78	....	....	93.24
....	....	....	....	....	....	....
26,309.63	6,915.77	41,169.42	263,600.09	9,495.07	7,041.01	19,995.85
20.00	....	....	....	25.00	....	....
98,756.81	29,469.38	116,252.49	587,550.07	24,237.89	26,019.26	54,679.87
....	....	....	....	....	....	....
98,756.81	29,469.38	116,252.49	587,550.07	24,237.89	26,019.26	54,679.87
....	5,353.67	384.10	20,293.89	819.00	1,513.72	886.18
1,974.44	1.13	99.70	7,879.33	188.52	....	402.71
....	....	....	....	....	....	....
704.00	220.00	355.00	914.77	....	55.00	478.50
2,678.44	5,574.80	838.80	29,087.99	1,007.52	1,568.72	1,767.39
26,309.63	6,915.77	41,169.42	263,600.09	9,495.07	7,041.01	19,995.85
15,351.45	4,207.87	15,889.78	138,006.09	2,816.55	4,561.92	2,438.36
....	....	75.23	559.22	....	....	69.37
41,661.08	11,123.64	57,134.43	402,165.40	12,311.62	11,602.93	22,503.58
29,000.00	5,646.33	18,565.90	132,506.11	2,731.00	7,986.28	11,313.82
....	....	....	....	....	....	....
25,417.29	7,124.61	39,713.36	23,790.57	8,187.75	4,861.33	19,095.08
54,417.29	12,770.94	58,279.26	156,296.68	10,918.75	12,847.61	30,408.90
98,756.81	29,469.38	116,252.49	587,550.07	24,237.89	26,019.26	54,679.87
3.7	24.7	1.1	9.0	6.8	8.3	5.0

*Summer population 4,500.

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality	Ridgetown	Riverside	Rockwood	Rodney	St. Catharines
Population	1,981	5,086	P.V.	763	27,756
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	3,104.39	8,805.77	79.00	....	57,699.01
Substation equipment	1,024.24	....	....	....	154,370.18
Distribution system—overhead	23,959.58	91,840.85	8,896.47	12,140.15	277,888.97
Distribution system—underground	....	....	....	....	....
Line transformers	10,591.34	31,701.24	3,490.91	3,595.57	183,184.18
Meters	10,252.26	25,312.92	3,345.63	3,938.71	122,538.34
Street light equipment, regular	6,234.49	....	723.03	3,533.02	21,530.33
Street light equipment, ornamental	1,431.73	18,288.59	....	....	29,486.71
Miscellaneous construction expense	1,324.22	6,658.85	558.63	871.59	28,927.20
Steam or hydraulic plant	....	....	....	....	....
Old plant	5,088.46	....	....	700.00	37,507.89
Total plant	63,010.71	182,608.22	17,093.67	24,779.04	913,132.81
Bank and cash balance	841.38	6,491.85	450.82	1,097.89	16,251.11
Securities and investments	7,000.00	10,000.00	1,000.00	1,200.00	57,000.00
Accounts receivable	2,343.43	11,992.54	449.71	1,044.22	58,794.06
Inventories	329.04	564.40	209.05	....	10,996.00
Sinking fund on local debentures	....	....	....	....	97,703.97
Equity in H-E.P.C. systems	43,262.80	82,931.61	11,441.19	13,727.62	606,105.83
Other assets	....	....	....	....	236.68
Total assets	116,787.36	294,588.62	30,644.44	41,848.77	1,760,220.46
Deficit	....	....	....	....	....
Total	116,787.36	294,588.62	30,644.44	41,848.77	1,760,220.46
LIABILITIES					
Debenture balance	3,213.46	20,430.93	1,666.32	....	152,750.00
Accounts payable	977.09	4,141.24	254.34	....	97,224.65
Bank overdraft	....	....	....	....	....
Other liabilities	2,163.21	20,655.78	111.00	270.00	29,814.21
Total liabilities	6,353.76	45,227.95	2,022.66	270.00	279,788.86
RESERVES					
For equity in H-E.P.C. systems	43,262.80	82,931.61	11,441.19	13,727.62	606,105.83
For depreciation	17,737.51	43,238.00	6,100.59	3,233.80	264,825.54
Other reserves	270.63	3,141.71	....	70.04	8,918.92
Total reserves	61,270.94	129,311.32	17,541.78	17,031.46	879,850.29
SURPLUS					
Debentures paid	16,242.53	62,069.07	2,833.68	8,500.00	149,272.91
Local sinking fund	....	....	....	....	97,703.97
Operating surplus	32,920.13	57,980.28	8,246.32	16,047.31	353,604.43
Total surplus	49,162.66	120,049.35	11,080.00	24,547.31	600,581.31
Total liabilities, reserves and surplus	116,787.36	294,588.62	30,644.44	41,848.77	1,760,220.46
Percentage of net debt to total assets	6.8	14.0	10.5	1.0	20.8

"A"—Continued

Hydro Municipalities as at December 31, 1940

St. Clair Beach *133	St. George P.V.	St. Jacobs P.V.	St. Marys 4,018	St. Thomas 16,362	Sarnia 18,218	Scarboro Twp.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
....	....	....	18,538.13	78,779.06	119,198.60	17,273.95
....	....	....	30,433.14	140,221.75	207,328.77	301.95
8,351.05	6,096.83	7,184.73	63,459.66	112,038.02	230,196.83	310,329.15
....	....	....	....	52,815.87	....	....
2,880.61	4,038.89	4,461.56	24,076.72	65,869.86	81,005.79	78,907.35
1,759.45	3,513.85	3,394.76	25,218.03	76,991.87	80,245.24	77,042.20
....	337.24	396.19	6,535.05	22,238.77	27,521.38	21,280.05
....	....	....	....	3,693.04	8,271.83	....
196.12	374.18	564.18	10,545.23	24,959.71	26,345.13	8,105.81
....	....	....	....	....	....	....
....	....	....	20,696.85	....	55,445.72	....
13,187.23	14,360.99	16,001.42	199,502.81	577,607.95	835,559.29	513,240.46
2,294.97	2,386.16	1,299.23	3,203.72	6,827.79	35,042.06	55,687.89
....	1,500.00	3,00.00	3,000.00	57,000.00	100,000.00	34,875.00
340.78	115.10	713.39	3,858.62	17,573.25	34,892.81	21,207.11
....	....	....	921.70	10,324.87	22,234.91	....
....	....	....	2,171.85	....	....	....
6,884.45	14,298.84	16,507.17	134,689.05	501,254.59	630,494.15	190,289.32
....	....	....	....	4,781.00	....	....
22,707.43	32,661.09	37,521.21	347,347.75	1,175,369.45	1,658,223.22	815,299.78
....	....	....	....	....	....	....
22,707.43	32,661.09	37,521.21	347,347.75	1,175,369.45	1,658,223.22	815,299.78
573.45	1,456.82	....	22,561.43	1,762.44	11,732.35	80,358.39
587.70	....	....	470.26	19,255.69	3.18	11,423.11
....	....	....	....	....	....	....
86.59	176.24	....	537.00	14,887.85	16,006.48	36,894.96
1,247.74	1,633.06	....	23,568.69	35,905.98	27,742.01	128,676.46
6,884.45	14,298.84	16,507.17	134,689.05	501,254.59	630,494.15	190,289.32
4,412.10	3,242.15	3,116.62	69,876.42	176,729.16	215,992.49	136,845.16
49.50	....	....	798.90	1,192.60	1,824.54	723.00
11,346.05	17,540.99	19,623.79	205,364.37	679,176.35	848,311.18	327,857.48
5,768.00	4,543.18	6,000.00	91,685.59	137,181.63	326,267.65	210,209.88
....	....	....	2,171.85	....	....	....
4,345.64	8,943.86	11,897.42	24,557.25	323,105.49	455,902.38	148,555.96
10,113.64	13,487.04	17,897.42	118,414.69	460,287.12	782,170.03	358,765.84
22,707.43	32,661.09	37,521.21	347,347.75	1,175,369.45	1,658,223.22	815,299.78
8.0	8.9	0.0	11.1	4.9	1.9	20.5

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*Summer population 400.

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Seaforth	Simcoe	Springfield	Stamford Twp.	Stouffville
Population	1,771	6,263	395		1,192
Assets	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	1,836.39	10,701.89	....	7,572.14	....
Substation equipment	5,999.16	41,527.90	....	38,143.09	....
Distribution system—overhead	32,252.11	58,258.73	10,104.51	144,726.02	13,959.73
Distribution system—underground	....	1,412.24	....	....	....
Line transformers	11,971.27	40,299.19	3,145.76	52,775.33	5,097.79
Meters	9,782.64	34,610.25	2,168.55	39,076.27	5,504.67
Street light equipment, regular	5,789.27	8,267.15	609.47	10,192.11	1,613.55
Street light equipment, ornamental	....	3,500.00	....	....	....
Miscellaneous construction expense	1,413.74	6,640.29	685.08	10,472.04	680.56
Steam or hydraulic plant	....	....	....	....	....
Old plant	....	927.92	....	13,743.66	....
Total plant	69,044.58	206,145.56	16,713.37	316,700.66	26,856.30
Bank and cash balance	3,520.62	14,506.05	592.41	7,100.07	5,787.27
Securities and investments	100.00	25,000.00	2,000.00	....	8,000.00
Accounts receivable	1,971.50	3,820.01	1,150.27	22,353.97	2,072.49
Inventories	1,714.93	4,385.00	....	6,936.15	....
Sinking fund on local debentures	....	....	....	....	....
Equity in H-E.P.C. systems	62,103.34	108,569.15	9,306.02	98,893.39	16,892.38
Other assets	....	....	20.00	108.25	....
Total assets	138,454.97	362,425.77	29,782.07	452,092.49	59,608.44
Deficit	....	....	....	....	....
Total	138,454.97	362,425.77	29,782.07	452,092.49	59,608.44
Liabilities					
Debenture balance	....	29,476.94	2,139.84	84,159.40	....
Accounts payable	85.81	293.18	10.58	774.77	280.25
Bank overdraft	....	....	....	....	....
Other liabilities	315.97	4,008.00	....	5,148.47	182.50
Total liabilities	401.78	33,778.12	2,150.42	90,082.64	462.75
Reserves					
For equity in H-E.P.C. systems	62,103.34	108,569.15	9,306.02	98,893.39	16,892.38
For depreciation	24,805.59	31,734.14	2,408.61	63,205.83	4,973.79
Other reserves	333.66	15,000.00	....	3,788.94	60.00
Total reserves	87,242.59	155,303.29	11,714.63	165,888.16	21,926.17
Surplus					
Debentures paid	25,000.00	45,957.96	7,360.16	156,118.77	14,673.90
Local sinking fund	....	....	....	....	....
Operating surplus	25,810.60	127,386.40	8,556.86	40,002.92	22,545.62
Total surplus	50,810.60	173,344.36	15,917.02	196,121.69	37,219.52
Total liabilities, reserves and surplus	138,454.97	362,425.77	29,782.07	452,092.49	59,608.44
Percentage of net debt to total assets	0.5	12.0	10.5	25.5	1.1

"A"—Continued

Hydro Municipalities as at December 31, 1940

Stratford 17,159	Strathroy 2,806	Streetsville 697	Sutton 853	Swansea 6,375	Tavistock 1,080	Tecumseh 2,237	Thamesford P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
141,455.78	8,856.05	8,466.99	....	....	3,594.21	1,018.51	....
131,638.26	23,640.34	1,172.04	....	....	....	....	....
158,146.56	50,389.39	9,103.88	21,007.17	74,422.07	13,879.14	35,607.34	7,757.33
22,971.15	....	....	....	....	....	....	....
104,867.14	23,445.05	6,091.61	8,275.06	46,637.26	9,670.45	11,194.67	3,600.32
86,521.30	18,296.75	3,671.62	6,760.14	34,392.35	6,355.46	11,753.51	3,357.51
25,785.92	6,193.39	1,429.74	1,932.90	7,876.51	1,102.93	....	298.97
....	....	....	....	....	....	4,760.95	....
34,354.90	4,814.39	743.22	1,953.49	6,002.46	1,420.01	2,328.15	445.36
....	....	10,641.55	....	....	....	....	....
31,520.00	12,343.15	....	675.00	....	....	....	....
737,261.01	147,978.51	41,320.65	40,603.76	169,330.65	36,022.20	66,663.13	15,459.49
42,171.25	5,364.67	2,547.80	2,009.24	9,471.87	683.01	3,929.14	47.56
90,000.00	19,000.00	....	2,000.00	5,000.00	2,000.00	....	7,500.00
21,005.51	5,730.76	1,405.30	4,420.44	10,114.78	2,148.25	1,563.67	480.58
12,382.53	3,048.92	....	....	23.50	483.12	....	....
197,112.36	....	....	....	....	....	....	....
607,011.67	89,618.15	2,449.47	16,616.33	79,690.89	45,803.78	26,220.69	17,277.84
1,980.29	....	....	....	....	....	....	....
1,708,924.62	270,741.01	47,723.22	65,649.77	273,631.69	87,140.36	98,376.63	40,765.47
....	....	....	....	....	....	....	....
1,708,924.62	270,741.01	47,723.22	65,649.77	273,631.69	87,140.36	98,376.63	40,765.47
255,000.00	21,918.41	11,120.12	4,547.07	68,039.73	1,981.16	2,789.43	582.65
1,001.69	367.15	56.49	142.08	3,030.84	111.67	988.95	....
....	....	....	....	....	....	....	....
5,282.59	961.09	203.87	....	4,461.36	....	5,635.86	77.00
261,284.28	23,246.65	11,380.48	4,689.15	75,531.93	2,092.83	9,414.24	659.65
607,011.67	89,618.15	2,449.47	16,616.33	79,690.89	45,803.78	26,220.69	17,277.84
325,032.71	41,181.33	4,552.79	10,240.35	50,823.66	13,287.81	15,923.40	6,178.42
4,209.03	1,109.42	75.00	72.67	165.85	....	479.71	....
936,253.41	131,908.90	7,077.26	26,929.35	130,680.40	59,091.59	42,623.80	23,456.26
200,800.00	44,313.59	6,424.96	21,452.93	34,627.23	4,018.84	23,210.57	4,775.38
197,112.36	....	....	....	....	....	....	....
113,474.57	71,271.87	22,840.52	12,578.34	32,792.13	21,937.10	23,128.02	11,874.18
511,386.93	115,585.46	29,265.48	34,031.27	67,419.36	25,955.94	46,338.59	16,649.56
1,708,924.62	270,741.01	47,723.22	65,649.77	273,631.69	87,140.36	98,376.63	40,765.47
7.1	13.0	25.1	9.6	38.9	5.1	6.9	2.8

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Thamesville	Thedford	Thorndale	Thorold	Tilbury
Population	826	648	P.V.	5,038	1,989
Assets	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	681.69	....	....	10,263.37	1,143.89
Substation equipment	....	....	....	....	....
Distribution system—overhead	12,901.20	9,724.73	3,750.28	42,077.98	17,156.62
Distribution system—underground	....	....	....	....	....
Line transformers	5,364.88	3,620.28	1,870.70	20,824.69	13,560.71
Meters	4,298.75	2,752.45	1,912.38	22,699.91	7,804.59
Street light equipment, regular	2,267.33	903.22	181.19	3,211.83	1,080.92
Street light equipment, ornamental	....	....	....	....	....
Miscellaneous construction expense	538.20	1,530.81	310.45	3,514.20	1,782.65
Steam or hydraulic plant	....	....	....	13,313.74	....
Old plant	4,445.68	433.78	....	3,800.00	3,049.47
Total plant	30,497.73	18,965.27	8,025.00	119,705.72	45,578.85
Bank and cash balance	2,337.79	2,540.98	2,228.20	18,500.55	11,273.56
Securities and investments	7,500.00	4,000.00	....	27,000.00	10,000.00
Accounts receivable	1,181.39	1,082.56	1,175.15	707.19	1,951.94
Inventories	....	....	....	2,896.90	7.67
Sinking fund on local debentures	....	....	....	....	....
Equity in H-E.P.C. systems	17,718.20	9,606.57	8,609.26	102,236.85	46,942.44
Other assets	....	....	....	34.36	....
Total assets	59,235.11	36,195.38	20,037.61	271,081.57	115,754.46
Deficit	....	....	....	....	....
Total	59,235.11	36,195.38	20,037.61	271,081.57	115,754.46
Liabilities					
Debenture balance	....	1,357.05	688.78	....	2,485.38
Accounts payable	58.21	197.69	.32	872.30	112.08
Bank overdraft	....	....	....	....	....
Other liabilities	351.00	27.31	60.57	2,394.63	202.18
Total liabilities	409.21	1,582.05	749.67	3,266.93	2,799.64
Reserves					
For equity in H-E.P.C. systems	17,718.20	9,606.57	8,609.26	102,236.85	46,942.44
For depreciation	10,567.54	4,939.56	4,306.53	37,218.64	17,088.23
Other reserves	157.94	....	22.88	....	136.72
Total reserves	28,443.68	14,546.13	12,938.67	139,455.49	64,167.39
Surplus					
Debentures paid	11,187.80	15,142.95	2,397.70	5,000.00	11,514.62
Local sinking fund	....	....	....	....	....
Operating surplus	19,194.42	4,924.25	3,951.57	123,359.15	37,272.81
Total surplus	30,382.22	20,067.20	6,349.27	128,359.15	48,787.43
Total liabilities, reserves and surplus	59,235.11	36,195.38	20,037.61	271,081.57	115,754.46
Percentage of net debt to total assets	1.0	6.0	6.6	1.9	4.1

"A"—Continued

Hydro Municipalities as at December 31, 1940

Tillsonburg 4,376	Toronto 649,123	Toronto Twp.	Trafalgar Twp. Area No. 1	Trafalgar Twp. Area No. 2	Wallaceburg 4,783	Wardsville 233
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
4,824.27	5,510,597.99	7,283.72	....	....	45,473.22	....
21,512.61	14,684,593.70	....	....	....	11,425.11	....
50,454.35	6,850,748.62	203,837.15	23,563.89	12,118.56	61,908.49	5,259.56
....	4,171,167.83	....	....	....	....	....
22,050.81	3,529,630.43	77,540.20	10,237.65	2,505.54	38,827.51	1,501.32
22,560.77	3,011,561.36	42,403.07	5,516.81	1,674.86	23,317.42	1,323.79
12,306.00	506,348.48	5,127.78	....	....	11,504.94	655.44
....	....	....	....	....	....	....
4,969.33	2,550,086.99	5,764.97	2,203.58	336.66	4,525.99	500.73
....	....	....	....	....	....	....
....	....	619.65	....	....	20,941.07	193.94
138,678.14	40,814,735.40	342,576.54	41,521.93	16,635.62	217,923.75	9,434.78
11,726.96	2,414,773.30	10,484.56	2,852.36	1,646.87	7,600.64	....
3,000.00	991,208.32	10,000.00	4,500.00	6,000.00	20,000.00	1,000.00
6,338.45	2,231,834.29	3,192.41	319.62	353.78	16,622.94	2,091.11
4,374.26	678,580.52	....	....	....	8,627.48	....
....	3,350,737.86	....	....	....	....	....
89,180.87	19,052,706.83	113,210.34	4,845.88	1,526.90	189,271.52	3,711.50
....	150.00	....	....	....	....	....
253,298.68	69,534,726.52	479,463.85	54,039.79	26,163.17	460,046.33	16,237.39
....	....	....	....	....	....	....
253,298.68	69,534,726.52	479,463.85	54,039.79	26,163.17	460,046.33	16,237.39
11,468.70	11,773,750.02	21,279.28	4,515.20	8,726.32	20,328.93	657.82
140.10	1,587,791.79	2,506.80	306.06	270.09	161.97	.04
....	....	....	....	....	....	8.71
3,771.81	150,627.00	3,347.70	....	....	2,564.37	....
15,380.61	13,512,168.81	27,133.78	4,821.26	8,996.41	23,055.27	666.57
89,180.87	19,052,706.83	113,210.34	4,845.88	1,526.90	189,271.52	3,711.50
35,711.75	10,096,596.24	138,474.69	19,239.80	3,554.15	59,020.89	3,576.75
827.61	1,270,428.47	1,000.00	....	....	1,561.87	25.22
125,720.23	30,419,731.54	252,685.03	24,085.68	5,081.05	249,854.28	7,313.47
34,531.30	19,017,844.34	82,720.72	14,911.21	734.83	51,207.65	6,904.58
....	3,350,737.86	....	....	....	....	....
77,666.54	3,234,243.97	116,924.32	10,221.64	11,350.88	135,929.13	1,352.77
112,197.84	25,602,826.17	199,645.04	25,132.85	12,085.71	187,136.78	8,257.35
253,298.68	69,534,726.52	479,463.85	54,039.79	26,163.17	460,046.33	16,237.39
9.4	21.5	7.4	9.8	36.5	8.5	5.3

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality Population	Water-down 892	Water-ford 1,284	Waterloo 8,623	Watford 970	Welland 11,205
Assets	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	200.00	1,273.13	15,166.17		75,866.71
Substation equipment			79,251.93		134,352.65
Distribution system—overhead	16,324.27	16,610.65	97,512.14	17,713.81	144,346.35
Distribution system—underground					8,069.90
Line transformers	7,232.38	8,363.39	52,544.06	7,741.62	69,226.40
Meters	6,030.35	7,110.17	41,435.72	5,751.25	64,681.94
Street light equipment, regular	981.61	3,231.62	14,218.91	2,423.52	6,030.39
Street light equipment, ornamental			3,106.80		36,513.75
Miscellaneous construction expense	31.85	873.78	6,885.98	2,198.56	12,094.38
Steam or hydraulic plant					
Old plant			23,880.17	657.44	49,497.19
Total plant	30,800.46	37,462.74	334,001.88	36,486.20	600,679.66
Bank and cash balance	7,824.60	2,150.53	6,818.58	690.94	21,923.40
Securities and investments		5,300.00	35,000.00	5,800.00	17,928.43
Accounts receivable	1,220.57	493.11	2,498.49	4,343.28	11,337.27
Inventories		173.44	1,222.96	228.83	16,763.99
Sinking fund on local debentures					*77,799.35
Equity in H-E.P.C. systems	22,799.06	32,471.51	264,534.75	23,675.99	308,925.07
Other assets					
Total assets	62,644.69	78,051.33	644,076.66	71,225.24	1,055,357.17
Deficit					
Total	62,644.69	78,051.33	644,076.66	71,225.24	1,055,357.17
Liabilities					
Debenture balance			2,349.81		114,876.89
Accounts payable		88.58	16.49	282.51	710.45
Bank overdraft					
Other liabilities	121.10		3,106.80	281.41	45,016.13
Total liabilities	121.10	88.58	5,473.10	563.92	160,603.47
Reserves					
For equity in H-E.P.C. systems	22,799.06	32,471.51	264,534.75	23,675.99	308,925.07
For depreciation	7,769.45	13,333.86	145,637.08	10,608.81	160,898.40
Other reserves			385.26	120.16	3,279.08
Total reserves	30,568.51	45,805.37	410,557.09	34,404.96	473,102.55
Surplus					
Debentures paid	8,000.00	7,745.53	103,650.19	9,713.21	160,123.11
Local sinking fund					*77,799.35
Operating surplus	23,955.08	24,411.85	124,396.28	26,543.15	183,728.69
Total surplus	31,955.08	32,157.38	228,046.47	36,256.36	421,651.15
Total liabilities, reserves and surplus	62,644.69	78,051.33	644,076.66	71,225.24	1,055,357.17
Percentage of net debt to total assets	0.3	0.2	1.5	1.2	7.3

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*Interest improvement for 1938, 1939, 1940 not included.

"A"—Continued

Hydro Municipalities as at December 31, 1940

Wellesley P.V.	West Lorne 783	Weston 5,289	Wheatley 770	Windsor 102,680	Woodbridge 914	Woodstock 11,418
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
....	....	11,903.31	....	502,443.91	....	40,771.99
....	....	62,308.56	....	1,088,155.93	....	121,700.82
7,538.42	12,259.75	64,365.72	16,566.16	1,284,385.00	18,279.60	126,743.64
....	....	....	....	145,491.89	....	....
2,175.97	5,586.29	43,835.48	4,445.03	558,489.62	7,245.09	68,436.54
2,757.45	3,882.72	28,942.88	4,617.23	518,880.75	5,358.07	62,743.06
545.11	858.36	29,982.90	1,828.92	79,017.33	574.03	21,354.59
....	....	....	....	1,021,495.33	....	....
354.79	347.14	10,940.56	899.31	200,206.17	1,306.78	8,809.47
....	....	....	....	....	....	....
....	1,250.00	....	2,569.50	166,440.66	....	....
13,371.74	24,184.26	252,279.41	30,926.15	5,565,006.59	32,763.57	450,560.11
2,577.91	1,733.18	2,579.21	1,834.03	70,365.04	1,518.79	18,908.95
2,000.00	3,000.00	....	9,000.00	906,952.17	2,000.00	54,000.00
1,339.46	345.21	979.56	1,400.48	225,064.43	2,077.03	7,278.72
....	41.82	388.99	194.02	163,269.01	....	583.60
....	....	....	....	57,857.17	....	16,432.54
16,481.37	25,299.40	238,498.52	13,674.53	3,059,756.58	31,317.16	404,172.48
....	....	....	....	....	....	33,518.12
35,770.48	54,603.87	494,725.69	57,029.21	10,048,270.99	69,676.55	985,454.52
....	....	....	....	....	....	....
35,770.48	54,603.87	494,725.69	57,029.21	10,048,270.99	69,676.55	985,454.52
....	....	12,217.45	2,934.89	723,300.78	2,497.43	17,400.00
....	170.22	13,802.21	810.08	110,268.78	992.37	746.91
....	....	....	....	....	....	....
....	119.10	3,128.47	....	1,109,772.18	554.51	8,062.55
....	289.32	29,148.13	3,744.97	1,943,341.74	4,044.31	26,209.46
16,481.37	25,299.40	238,498.52	13,674.53	3,059,756.58	31,317.16	404,172.48
4,303.62	9,446.26	45,264.52	7,132.29	1,222,462.67	10,654.00	209,899.73
....	58.49	604.93	48.46	339,037.77	....	17,795.56
20,784.99	34,804.15	284,367.97	20,855.28	4,621,257.02	41,971.16	631,867.77
7,500.00	8,000.00	57,814.99	10,065.11	1,860,531.27	6,002.54	109,985.63
....	....	....	....	57,857.17	....	16,432.54
7,485.49	11,510.40	123,394.60	22,363.85	1,565,283.79	17,658.54	200,959.12
14,985.49	19,510.40	181,209.59	32,428.96	3,483,672.23	23,661.08	327,377.29
35,770.48	54,603.87	494,725.69	57,029.21	10,048,270.99	69,676.55	985,454.52
0.0	1.0	11.4	8.6	14.6	11.4	1.7

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Concluded

Municipality	Wyoming	York Twp.	Zurich	NIAGARA SYSTEM SUMMARY
Population	530		P.V.	
ASSETS	$ c.	$ c.	$ c.	$ c.
Lands and buildings		15,232.90		9,354,182.71
Substation equipment		3,227.12		22,061,376.52
Distribution system—overhead	10,192.06	696,514.48	7,270.78	19,098,225.89
Distribution system—underground				5,739,990.63
Line transformers	1,508.00	1,507.68	2,237.83	9,149,666.90
Meters	2,894.58	127.20	2,627.51	7,830,665.20
Street light equipment, regular	336.65	51,167.61	471.82	1,985,335.90
Street light equipment, ornamental				1,534,320.08
Miscellaneous construction expense	874.32	37,514.84	385.75	3,760,284.91
Steam or hydraulic plant				23,955.29
Old plant			150.00	790,806.98
Total plant	15,805.61	805,291.83	13,143.69	81,328,811.01
Bank and cash balance	1,152.25	53,579.14	374.10	3,803,090.73
Securities and investments		8,800.00	6,000.00	3,381,927.73
Accounts receivable	318.71	126,401.66	1,386.77	3,977,513.09
Inventories		3,278.88		1,398,369.58
Sinking fund on local debentures				4,845,804.12
Equity in H-E.P.C. systems	8,322.86	647,170.08	13,289.12	45,609,455.14
Other assets		77,135.10		223,358.22
Total assets	25,599.43	1,721,656.69	34,193.68	144,568,329.62
Deficit				508.91
Total	25,599.43	1,721,656.69	34,193.68	144,568,838.53
LIABILITIES				
Debenture balance		159,057.77	2,219.45	18,056,138.41
Accounts payable	296.28	5,798.04	125.20	2,686,081.96
Bank overdraft				75,790.20
Other liabilities	50.00		15.00	2,803,304.80
Total liabilities	346.28	164,855.81	2,359.65	23,621,315.37
RESERVES				
For equity in H-E.P.C. systems	8,322.86	647,170.08	13,289.12	45,609,455.14
For depreciation	4,843.66	266,178.40	6,702.12	20,929,285.95
Other reserves				2,593,134.65
Total reserves	13,166.52	913,348.48	19,991.24	69,131,875.74
SURPLUS				
Debentures paid	9,700.00	330,316.88	3,372.16	31,964,825.54
Local sinking fund				4,845,804.12
Operating surplus	2,386.63	313,135.52	8,470.63	15,005,017.76
Total surplus	12,086.63	643,452.40	11,842.79	51,815,647.42
Total liabilities, reserves and surplus	25,599.43	1,721,656.69	34,193.68	144,568,838.53
Percentage of net debt to total assets	2.0	15.3	11.3	18.6

"A"—Continued

Hydro Municipalities as at December 31, 1940

GEORGIAN BAY
SYSTEM

Alliston 1,437	Arthur 1,038	Barrie 8,446	Beaverton 915	Beeton 568	Bradford 1,004	Brechin P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
...	...	16,536.84	499.50	...	...	...
675.73	...	18,810.91	...	428.50	388.50	...
28,339.44	17,758.26	68,293.96	25,310.89	11,891.38	20,642.63	2,051.66
...	...	66,437.67	...	...	...	...
8,035.37	4,447.24	44,123.33	8,571.64	2,685.94	4,770.65	1,266.71
7,688.03	4,410.69	49,359.49	7,008.40	2,294.41	5,237.28	814.56
1,567.17	796.21	11,755.38	1,286.94	1,169.54	544.95	248.55
...	...	...	...	...	...	...
2,616.37	305.71	3,737.41	2,413.70	1,556.85	2,006.52	546.92
...	...	...	...	...	...	...
7,846.49	1,086.62	...	3,772.42	...	...	...
56,768.60	28,804.73	279,054.99	48,863.49	20,026.62	33,590.53	4,928.40
7,477.41	1,719.08	...	3,777.71	5,284.48	1,620.78	1,249.34
...	...	...	7,000.00	...	7,000.00	...
1,418.94	755.69	21,284.72	1,092.19	113.20	1,339.55	950.80
7.85	...	3,234.06	...	...	...	...
...	...	...	...	...	...	...
23,557.73	19,823.79	153,510.23	20,975.99	15,829.66	18,473.49	7,838.87
255.60	335.00	17,220.12	62.51	...	...	...
89,486.13	51,438.29	474,304.12	81,771.89	41,253.96	62,024.35	14,967.41
...	11,626.73	...	...	187.37	...	...
89,486.13	63,065.02	474,304.12	81,771.89	41,441.33	62,024.35	14,967.41
13,439.58	11,257.01	11,115.75	1,971.53	6,306.62	10,702.39	1,292.55
110.62	200.85	17,456.67	2,357.45	252.44	120.93	35.07
...	...	1,874.32	...	...	...	...
150.60	335.00	11,661.06	582.78	...	175.00	14.85
13,700.80	11,792.86	42,107.80	4,911.76	6,559.06	10,998.32	1,342.47
23,557.73	19,823.79	153,510.23	20,975.99	15,829.66	18,473.49	7,838.87
20,000.27	17,705.38	98,773.23	16,067.87	10,112.00	13,597.90	2,298.10
75.00	...	400.00	200.00	247.23	200.00	117.35
43,633.00	37,529.17	252,683.46	37,243.86	26,188.89	32,271.39	10,254.32
26,560.42	13,742.99	54,249.93	13,028.47	8,693.38	14,497.61	1,918.37
...	...	...	...	...	...	...
5,591.91	...	125,262.93	26,587.80	...	4,257.03	1,452.25
32,152.33	13,742.99	179,512.86	39,616.27	8,693.38	18,754.64	3,370.62
89,486.13	63,065.02	474,304.12	81,771.89	41,441.33	62,024.35	14,967.41
20.8	37.3	13.1	8.1	25.8	25.3	18.8

STATEMENT

Balance Sheets of Electrical Departments of

GEORGIAN BAY SYSTEM—Continued

Municipality	Cannington	Chatsworth	Chesley	Coldwater	Collingwood
Population	705	321	1,743	606	5,342
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	....	364.89	6,000.00	275.00	15,950.08
Substation equipment	....	....	2,305.58	....	11,203.24
Distribution system—overhead	11,811.10	5,279.25	23,344.88	9,413.42	53,281.72
Distribution system—underground	....				
Line transformers	5,088.34	1,939.05	7,852.60	3,426.86	19,161.96
Meters	5,037.26	1,800.40	7,328.20	3,133.97	24,645.32
Street light equipment, regular	988.37	529.17	1,454.65	775.02	2,940.72
Street light equipment, ornamental	....	....	....	....	....
Miscellaneous construction expense	654.18	507.04	3,626.97	284.60	2,277.54
Steam or hydraulic plant	....	....	....	....	....
Old plant	3,609.37	....	....	....	....
Total plant	27,188.62	10,419.80	51,912.88	17,308.87	129,460.58
Bank and cash balance	2,339.73	429.60	15.00	1,262.68	1,354.52
Securities and investments	1,000.00	1,500.00	5,000.00	4,000.00	24,000.00
Accounts receivable	807.31	724.59	663.18	1,080.33	6,756.05
Inventories	244.18	....	294.32	....	51.58
Sinking fund on local debentures	....	....	....	....	....
Equity in H-E.P.C. systems	15,841.57	4,509.69	36,791.95	15,370.19	138,484.05
Other assets	....	....	1,092.68	80.00	....
Total assets	47,421.41	17,583.68	95,770.01	39,102.07	300,106.78
Deficit	....	....	....	....	....
Total	47,421.41	17,583.68	95,770.01	39,102.07	300,106.78
LIABILITIES					
Debenture balance	2,894.20	....	....	1,299.33	....
Accounts payable	195.95	43.69	2,070.53	295.13	255.46
Bank overdraft	....	....	678.43	....	....
Other liabilities	39.00	116.36	....	229.87	2,294.34
Total liabilities	3,129.15	160.05	2,748.96	1,824.33	2,549.80
RESERVES					
For equity in H-E.P.C. systems	15,841.57	4,509.69	36,791.95	15,370.19	138,484.05
For depreciation	12,464.47	3,648.15	21,361.24	10,179.29	62,614.20
Other reserves	111.99	....	....	57.89	393.81
Total reserves	28,418.03	8,157.84	58,153.19	25,607.37	201,492.06
SURPLUS					
Debentures paid	12,105.80	5,400.00	27,500.00	5,700.67	38,183.42
Local sinking fund	....	....	....	....	....
Operating surplus	3,768.43	3,865.79	7,367.86	5,969.70	57,881.50
Total surplus	15,874.23	9,265.79	34,867.86	11,670.37	96,064.92
Total liabilities, reserves and surplus	47,421.41	17,583.68	95,770.01	39,102.07	300,106.78
Percentage of net debt to total assets	9.9	1.2	4.7	7.7	1.6

"A"—Continued

Hydro Municipalities as at December 31, 1940

Cookstown	Creemore	Dundalk	Durham	Elmvale	Elmwood	Flesherton
P.V.	638	703	1,854	P.V.	P.V.	457
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
70.00	....	....	56.59	106.25	....	408.78
392.95	....	....	546.02	2,273.07	....	....
9,670.54	7,669.57	8,515.79	22,975.90	9,600.26	5,121.63	5,938.38
....	....	....	....	....	....	....
2,535.85	3,676.20	4,226.90	8,824.34	3,821.64	1,100.67	2,646.59
2,444.25	3,262.37	3,087.55	7,951.28	3,811.51	1,219.59	2,447.69
919.69	358.56	1,203.31	1,545.06	447.17	372.71	737.26
....	....	....	....	....	....	....
1,549.66	97.20	290.21	1,365.25	500.84	1,093.62	1,094.15
....	....	....	....	....	....	....
....	....	....	2,091.39	....	....	....
17,582.94	15,063.90	17,323.76	45,355.83	20,560.74	8,908.22	13,272.85
4,454.75	1,817.80	1,749.23	1,684.26	1,443.92	896.78	2,433.85
3,000.00	3,000.00	3,000.00	8,500.00	5,500.00	3,000.00	4,000.00
887.20	921.53	375.28	780.26	445.37	167.43	313.07
....	....	6.50	789.99	....	....	....
....	....	....	....	....	....	....
5,449.94	12,133.47	12,805.92	31,646.48	15,413.47	4,181.99	6,754.40
....	....	....	41.61	....	....	....
31,374.83	32,936.70	35,260.69	88,798.43	43,363.50	17,154.42	26,774.17
....	....	....	....	....	....	....
31,374.83	32,936.70	35,260.69	88,798.43	43,363.60	17,154.42	26,774.17
3,988.65	....	....	....	846.66	....	1,549.00
1.70	147.36	1.39	....	94.10	42.65	586.91
....	....	....	....	....	....	....
95.00	222.00	....	....	....	....	....
4,085.35	369.36	1.39	....	940.76	42.65	2,135.91
5,449.94	12,133.47	12,805.92	31,646.48	15,413.47	4,181.99	6,754.40
8,524.35	6,237.51	6,858.26	15,806.64	9,595.57	3,190.90	4,484.18
....	....	....	....	8.01	....	345.24
13,974.29	18,370.98	19,664.18	47,453.12	25,017.05	7,372.89	11,583.82
9,511.35	2,823.61	5,955.96	25,800.00	6,153.34	7,200.00	5,151.00
....	....	....	....	....	....	....
3,803.84	11,372.75	9,639.16	15,545.31	11,252.35	2,538.88	7,903.44
13,315.19	14,196.36	15,595.12	41,345.31	17,405.69	9,738.88	13,054.44
31,374.83	32,936.70	35,260.69	88,798.43	43,363.50	17,154.42	26,774.17
15.8	1.8	0.0	0.0	3.4	0.3	10.7

STATEMENT

Balance Sheets of Electrical Departments of

GEORGIAN BAY SYSTEM—Continued

Municipality	Grand Valley	Gravenhurst	Hanover	Holstein	Huntsville
Population	629	2,193	3,235	P.V.	2,764
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	36.50	10,072.27	4,184.95	....	353.52
Substation equipment	....	10,986.03	9,271.19	....	647.30
Distribution system—overhead	11,540.48	39,387.01	50,724.96	2,227.35	21,496.56
Distribution system—underground	....	1,941.77	....	....	....
Line transformers	2,179.63	15,986.39	21,160.84	1,011.04	12,393.34
Meters	3,515.17	12,818.42	17,687.77	750.76	12,963.77
Street light equipment, regular	1,051.12	4,472.25	2,350.30	170.44	7,255.73
Street light equipment, ornamental	....	....	....	....	....
Miscellaneous construction expense	217.40	2,786.80	6,391.94	188.31	918.78
Steam or hydraulic plant	....	....	....	....	....
Old plant	....	18,130.29	2,370.91	....	5,156.20
Total plant	18,540.30	116,581.23	114,142.86	4,347.90	61,185.20
Bank and cash balance	2,045.25	313.17	4,586.30	1,010.95	3,322.04
Securities and investments	5,128.60	....	30,273.69	1.500.00	9,500.00
Accounts receivable	449.61	6,432.91	1,987.88	149.40	1,515.10
Inventories	....	1,737.33	154.96	....	2,681.82
Sinking fund on local debentures	....	....	....	....	....
Equity in H-E.P.C. systems	12,306.58	28,956.02	83,031.19	2,736.95	59,945.50
Other assets	....	525.45	622.61	....	....
Total assets	38,470.34	154,546.11	234,799.49	9,745.20	138,149.66
Deficit	....	....	....	....	....
Total	38,470.34	154,546.11	234,799.49	9,745.20	138,149.66
LIABILITIES					
Debenture balance	....	....	1,430.96	....	....
Accounts payable	782.86	14,676.94	496.19	20.00	1,656.45
Bank overdraft	....	....	....	....	....
Other liabilities	....	748.00	429.70	....	919.07
Total liabilities	782.86	15,424.94	2,356.85	20.00	2,575.52
RESERVES					
For equity in H-E.P.C. systems	12,306.58	28,956.02	83,031.19	2,736.95	59,945.50
For depreciation	9,251.19	27,237.65	59,955.46	1,899.55	14,014.49
Other reserves	....	701.99	....	....	400.00
Total reserves	21,557.77	56,895.66	142,986.65	4,636.50	74,359.99
SURPLUS					
Debentures paid	11,000.00	63,968.41	86,069.04	2,762.05	21,133.54
Local sinking fund	....	....	....	....	....
Operating surplus	5,129.71	18,257.10	3,386.95	2,326.65	40,080.61
Total surplus	16,129.71	82,225.51	89,455.99	5,088.70	61,214.15
Total liabilities, reserves and surplus	38,470.34	154,546.11	234,799.49	9,745.20	138,149.66
Percentage of net debt to total assets	2.9	12.3	1.5	0.3	3.3

"A"—Continued

Hydro Municipalities as at December 31, 1940

Kincardine 2,470	Kirkfield P.V.	Lucknow 1,015	Markdale 795	Meaford 2,759	Midland 6,600	Mildmay 756
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
6,531.80	....	....	....	1,144.18	19,983.57	....
2,794.20	....	....	780.80	3,849.47	85,264.20	....
44,262.24	5,179.43	20,854.06	10,895.79	33,069.36	98,316.41	6,219.92
....	....	....	....	....	....	....
12,585.59	757.90	6,894.97	5,564.50	8,899.68	26,908.36	1,877.31
12,312.96	737.11	5,317.31	4,231.88	9,171.89	39,699.15	2,997.95
6,016.81	379.00	1,509.55	1,390.15	3,341.29	19,278.84	577.24
....	....	....	....	....	....	....
5,202.89	234.11	2,328.13	602.38	2,516.46	3,541.77	875.01
....	....	....	....	....	....	....
....	....	....	2,080.65	3,452.38	....	849.00
89,706.49	7,287.55	36,904.02	25,546.15	65,444.71	292,992.30	13,396.43
6,842.97	977.55	1,043.56	587.17	....	17,701.16	2,094.64
1,000.00	....	2,000.00	4,755.13	13,000.00	40,568.06	2,500.00
3,634.79	405.69	1,146.11	1,097.50	1,969.82	4,331.39	509.11
1,135.23	....	....	....	24.42	2,610.35	35.38
....	....	....	....	....	....	....
42,791.79	3,253.27	19,737.42	10,389.71	30,007.26	221,065.64	3,072.72
923.27	....	....	....	140.28	533.72	224.35
146,034.54	11,924.06	60,831.11	42,375.66	110,586.49	579,802.62	21,832.63
....	1,445.30	....	....	....	....	....
146,034.54	13,369.36	60,831.11	42,375.66	110,586.49	579,802.62	21,832.63
3,089.98	....	2,312.18	2,754.83	13,674.48	....	8,833.69
....	332.81	83.99	84.08	108.93	10,965.17	25.30
....	....	....	....	24.17	....	....
4.00	....	10.00	22.00	1,194.21	919.11	....
3,093.98	332.81	2,406.17	2,860.91	15,001.79	11,884.28	8,858.99
42,791.79	3,253.27	19,737.42	10,389.71	30,007.26	221,065.64	3,072.72
31,988.65	3,608.28	9,595.20	8,239.23	15,542.50	181,002.43	1,977.00
78.44	175.00	....	....	55.12	2,123.29	....
74,858.88	7,036.55	29,332.62	18,628.94	45,604.88	404,191.36	5,049.72
61,110.02	6,000.00	17,400.98	6,245.17	35,685.72	111,944.99	3,469.81
....	....	....	....	....	....	....
6,971.66	....	11,691.34	14,640.64	14,294.10	51,781.99	4,454.11
68,081.68	6,000.00	29,092.32	20,885.81	49,979.82	163,726.98	7,923.92
146,043.54	13,369.36	60,831.11	42,375.66	110,586.49	579,802.62	21,832.63
3.0	3.8	5.9	8.9	18.6	3.3	47.2

STATEMENT

Balance Sheets of Electrical Departments of

GEORGIAN BAY SYSTEM—Continued

Municipality	Mount Forest	Neustadt	Orangeville	Owen Sound	Paisley
Population	1,909	468	2,608	13,659	727
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	3,725.00		2,585.07	27,107.19	
Substation equipment	686.75		1,169.00	17,973.04	1,923.46
Distribution system—overhead	23,224.98	10,398.28	36,492.04	116,878.97	11,828.16
Distribution system—underground					
Line transformers	7,581.19	3,860.41	10,296.17	58,839.17	1,738.46
Meters	8,517.77	2,323.43	13,527.49	63,626.10	3,288.07
Street light equipment, regular	2,397.89	496.41	7,532.55	30,714.62	1,045.51
Street light equipment, ornamental					
Miscellaneous construction expense	2,102.76	1,478.68	6,384.38	2,853.31	737.03
Steam or hydraulic plant				33,282.00	
Old plant	3,810.95	1,097.60	3,204.99		1,745.00
Total plant	52,047.29	19,654.81	81,191.69	351,274.40	22,305.69
Bank and cash balance	509.73	1,999.01	20.00	100.00	295.75
Securities and investments	4,000.00	4,000.00	11,500.00	5,000.00	5,000.00
Accounts receivable	2,000.45	458.11	1,626.30	13,341.45	822.82
Inventories		25.56	282.59	10,186.32	
Sinking fund on local debentures					
Equity in H-E.P.C. systems	32,980.23	6,573.38	44,834.16	211,262.23	11,135.06
Other assets			1,164.03	1,050.00	
Total assets	91,537.70	32,710.87	140,618.77	592,214.40	39,559.32
Deficit		1,155.23			
Total	91,537.70	33,866.10	140,618.77	592,214.40	39,559.32
LIABILITIES					
Debenture balance	6,185.58				3,612.21
Accounts payable	1,500.00	30.66	95.07	10,042.39	14.18
Bank overdraft			696.78	854.88	
Other liabilities		30.00	38.00	5,335.57	26.26
Total liabilities	7,685.58	60.66	829.85	16,232.84	3,652.65
RESERVES					
For equity in H-E.P.C. systems	32,980.23	6,573.38	44,834.16	211,262.23	11,135.06
For depreciation	21,977.88	10,232.06	29,390.26	77,318.15	6,067.49
Other reserves				10,996.22	
Total reserves	54,958.11	16,805.44	74,224.42	299,576.60	17,202.55
SURPLUS					
Debentures paid	24,773.02	17,000.00	35,900.00	141,000.00	12,387.79
Local sinking fund					
Operating surplus	4,120.99		29,664.50	135,404.96	6,316.33
Total surplus	28,894.01	17,000.00	65,564.50	276,404.96	18,704.12
Total liabilities, reserves and surplus	91,537.70	33,866.10	140,618.77	592,214.40	39,559.32
Percentage of net debt to total assets	13.1	0.2	0.9	4.3	12.9

"A"—Continued

Hydro Municipalities as at December 31, 1940

Penetanguishene 4,076	Port Elgin 1,374	Port McNicoll 940	Port Perry 1,145	Priceville P.V.	Ripley 439	Rosseau 310
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
2,288.05	111.25	369.08		68.00		
7,106.39			2,564.65			
51,071.99	27,044.57	9,761.90	19,884.77	5,476.21	10,188.27	7,655.75
21,255.10	6,227.17	1,500.23	5,291.65	929.92	3,693.93	2,314.23
14,980.14	7,672.55	3,107.02	4,790.53	562.08	1,991.86	1,270.86
3,829.44	2,270.59	652.98	1,816.38	256.88	844.33	623.60
1,976.99	437.47	719.54	131.71	833.90	1,208.13	1,246.06
	4,213.00					
102,508.10	47,976.60	16,110.75	34,479.69	8,126.99	17,926.52	13,110.50
2,527.44	3,059.95	1,038.46	795.88	636.55	901.08	1,526.87
872.14	10,000.00		7,000.00		2,000.00	
5,262.21	282.10	154.48	1,378.71	50.19	800.66	230.58
86.60						
64,110.98	11,109.74	6,404.87	17,606.55	972.44	7,832.45	3,417.69
	505.53					
174,367.47	72,933.92	23,708.56	61,260.83	9,786.17	29,460.71	18,285.64
				1,275.16		318.13
175,367.47	72,933.92	23,708.56	61,260.83	11,061.33	29,460.71	18,603.77
1,550.43	26,023.51	196.00	8,310.42		6,992.43	10,033.63
2,957.73	3,410.12	32.92	6.00	160.23	189.58	1.05
536.92		123.40	634.00		266.83	30.00
5,045.08	29,433.63	352.32	8,950.42	160.23	7,448.84	10,064.68
64,110.98	11,109.74	6,404.87	17,606.55	972.44	7,832.45	3,417.69
43,733.78	7,544.79	5,259.28	11,072.09	2,928.66	6,436.06	2,155.03
1,600.00						
109,444.76	18,654.53	11,664.15	28,678.64	3,901.10	14,268.51	5,572.72
35,432.52	15,976.49	7,104.00	11,571.24	7,000.00	6,979.51	2,966.37
25,445.11	8,869.27	4,588.09	12,060.53		763.85	
60,877.63	24,845.76	11,692.09	23,631.77	7,000.00	7,743.36	2,966.37
175,367.47	72,933.92	23,708.56	61,260.83	11,061.33	29,460.71	18,603.77
4.5	47.6	2.0	20.5	1.8	34.4	67.0

STATEMENT

Balance Sheets of Electrical Departments of

GEORGIAN BAY SYSTEM—Continued

Municipality Population	Shelburne 1,018	Southampton 1,515	Stayner 1,013	Sunderland P.V.	Tara 483
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	800.00	25.00	....	....	....
Substation equipment	566.60	....	200.00	....	....
Distribution system—overhead	15,086.97	26,866.63	16,690.58	4,284.74	11,333.41
Distribution system—underground	....	....	....	....	....
Line transformers	6,901.63	8,800.99	6,966.61	1,677.23	2,752.91
Meters	6,785.36	9,607.26	6,793.37	2,361.95	1,954.18
Street light equipment, regular	1,104.49	2,558.48	1,074.86	670.57	2,721.65
Street light equipment, ornamental	....	....	....	....	....
Miscellaneous construction expense	2,223.84	772.23	403.13	170.22	1,394.94
Steam or hydraulic plant	....	....	....	....	....
Old plant	739.50	2,477.00	....	2,030.00	....
Total plant	34,208.39	51,107.59	32,128.55	11,194.71	20,157.09
Bank and cash balance	523.88	261.93	423.44	1,056.71	2,241.70
Securities and investments	7,500.00	1,000.00	4,000.00	500.00	2,000.00
Accounts receivable	660.76	442.48	392.50	704.01	296.99
Inventories	....	....	....	....	....
Sinking fund on local debentures	....	....	....	....	....
Equity in H-E.P.C. systems	19,415.32	9,637.12	16,774.21	10,414.38	8,579.18
Othes assets	361.85	266.61	....	....	....
Total assets	62,670.20	62,715.73	53,718.70	23,869.81	33,274.96
Deficit	....	....	....	....	....
Total	62,670.20	62,715.73	53,718.70	23,869.81	33,274.96
LIABILITIES					
Debenture balance	....	13,235.99	....	....	....
Accounts payable	180.19	803.71	855.59	93.20	1.15
Bank overdraft	....	....	....	....	....
Othes liabilities	69.45	8.22	270.00	10.00	....
Total liabilities	249.64	14,047.92	1,125.59	103.20	1.15
RESERVES					
For equity in H-E.P.C. systems	19,415.32	9,637.12	16,774.21	10,414.38	8,579.18
For depreciation	16,587.09	6,427.33	13,501.15	5,419.44	8,856.55
Other reserves	....	....	49.46	....	....
Total reserves	36,002.41	16,064.45	30,324.82	15,833.82	17,435.73
SURPLUS					
Debentures paid	19,920.00	19,763.94	9,867.59	6,800.00	15,500.00
Local sinking fund	....	....	....	....	....
Operating surplus	6,498.15	12,839.42	12,400.70	1,132.79	338.08
Total surplus	26,418.15	32,603.36	22,268.29	7,932.79	15,838.08
Total liabilities, reserves and surplus	62,670.20	62,715.73	53,718.70	23,869.81	33,274.96
Percentage of net debt to total assets	0.6	26.5	3.0	0.8	0.0

"A"—Continued

Hydro Municipalities as at December 31, 1940

Teeswater 840	Thornton P.V.	Tottenham 532	Uxbridge 1,535	Victoria Harbour 979	Walkerton 2,523	Waubaushene P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
			40.00			
330.31		358.50	2,657.65			
17,748.25	6,508.60	8,880.25	15,425.94	10,412.93	42,076.99	9,829.30
5,362.15	1,015.06	1,376.38	4,898.64	2,134.27	14,233.21	2,641.62
3,749.38	992.90	2,477.14	5,726.45	3,609.91	12,158.91	3,014.17
1,495.82	433.25	466.26	1,509.84	366.32	2,601.52	303.35
1,816.49	300.35	1,332.02	1,152.40	802.05	3,102.14	308.04
4,976.86		286.45			4,897.60	
35,479.26	9,250.16	15,177.00	31,410.92	17,325.48	79,070.37	16,096.48
729.33	1,273.70	1,499.25	2,144.03	1,108.98	6,951.24	191.69
2,500.00						
1,114.77	1,006.64	123.73	1,822.50	1,564.75	2,547.37	482.66
			43.94		1,075.54	
12,423.43	3,418.29	10,782.86	18,727.06	6,613.35	18,027.62	4,425.18
52,246.79	14,948.79	27,582.84	54,148.45	26,612.56	107,672.14	21,196.01
	2,083.03	3,619.02				
52,246.79	17,031.82	31,201.86	54,148.45	26,612.56	107,672.14	21,196.01
1,874.78		4,305.78			41,991.27	
7.27	40.75	103.23	100.04	58.56	57.80	1,133.64
43.00		281.00	322.00		255.00	
1,925.05	40.75	4,690.01	422.04	58.56	42,304.07	1,133.64
12,423.43	3,418.29	10,782.86	18,727.06	6,613.35	18,027.62	4,425.18
9,417.31	6,072.78	7,047.35	8,572.18	6,423.49	10,783.76	2,980.76
		20.32	50.32		98.98	125.00
21,840.74	9,491.07	17,850.53	27,349.56	13,036.84	28,910.36	7,530.94
26,125.22	7,500.00	8,661.32	16,207.59	6,500.00	21,008.73	3,500.00
2,355.78			10,169.26	7,017.16	15,448.98	9,031.43
28,481.00	7,500.00	8,661.32	26,376.85	13,517.16	36,457.71	12,531.43
52,246.79	17,031.82	31,201.86	54,148.45	26,612.56	107,672.14	21,196.01
4.8	0.4	27.9	1.2	0.3	47.2	6.7

STATEMENT

Balance Sheets of Electrical Departments of

GEORGIAN BAY SYSTEM—Concluded

Municipality	Wiarton	Windermere	Wingham	Woodville	GEORGIAN BAY SYSTEM SUMMARY
Population	1,760	118	2,149	425	
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	200.00	....	21,513.45	....	141,406.81
Substation equipment	327.07	....	4,863.91	....	191,345.02
Distribution system—overhead	21,477.67	9,716.76	40,549.75	3,444.66	1,281,323.55
Distribution system—underground	....	....	....	....	68,379.44
Line transformers	5,520.77	3,492.70	18,053.49	1,995.54	465,772.26
Meters	6,771.86	1,160.79	16,020.20	2,315.99	476,344.11
Street light equipment, regular	2,805.31	247.26	11,162.54	521.83	159,957.68
Street light equipment, ornamental	....	....	....	....	....
Miscellaneous construction expense	6,063.88	525.65	4,537.44	279.91	97,623.41
Steam or hydraulic plant	....	....	14,711.99	....	47,993.99
Old plant	2,001.79	....	12,320.02	2,182.50	96,428.98
Total plant	45.168.35	15,143.16	143,732.79	10,740.43	3,026,575.25
Bank and cash balance	1,790.98	1,744.08	30.00	343.61	117,260.95
Securities and investments	12,000.00	....	2,000.00	5,000.00	275,597.62
Accounts receivable	2,058.58	442.01	6,065.12	1,868.95	112,507.88
Inventories	....	....	4,279.86	....	28,988.38
Sinking fund on local debentures	....	....	....	....	....
Equity in H-E.P.C. systems	13,777.77	2,391.04	36,864.07	10,168.16	1.697,365.75
Othes assets	....	....	314.04	....	25,719.26
Total assets	74,795.68	19,720.29	193,285.88	28,121.15	5.284,015.09
Deficit	....	....	....	....	21,709.97
Total	74,795.68	19,720.29	193,285.88	28,121.15	5,305,725.06
LIABILITIES					
Debenture balance	26,599.31	8,464.72	23,874.53	963.32	282,973.30
Accounts payable	7.13	....	39.12	513.79	75,936.72
Bank overdraft	....	....	2,360.31	....	6,488.89
Other liabilities	95.00	....	601.50	....	29,138.10
Total liabilities	26,701.44	8,464.72	26,875.46	1,477.11	394,537.01
RESERVES					
For equity in H-E.P.C. systems	13,777.77	2,391.04	36,864.07	10,168.16	1,697,365.75
For depreciation	6,516.82	2,936.45	35,218.18	3,096.01	1,081,803.32
Other reserves	46.30	....	....	800.00	19,476.96
Total reserves	20,340.89	5,327.49	72,082.25	14,064.17	2,798,646.03
SURPLUS					
Debentures paid	10,800.69	3,298.58	72,230.97	4,536.68	1,281,278.30
Local sinking fund	....	....	....	....	....
Operating surplus	16,952.66	2,629.50	22,097.20	8,043.19	831,263.72
Total surplus	27,753.35	5,928.08	94,328.17	12,579.87	2,112,542.02
Total liabilities, reserves and surplus	74,795.68	19,720.29	193,285.88	28,121.15	5,305,725.06
Percentage of net debt to total assets	43.8	48.4	17.2	8.2	11.0

"A"—Continued

Hydro Municipalities as at December 31, 1940

EASTERN ONTARIO SYSTEM

Alexandria 1,951	Apple Hill P.V.	Arnprior 3,898	Athens 700	Bath 315	Belleville 14,678	Bloomfield 629	Bowmanville 3,800
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
202.00	169.06	....	....	....	41,950.02	....	28,670.08
....	....	....	....	....	80,619.11	410.00	894.47
29,262.07	3,009.09	26,970.58	14,322.22	6,398.15	126,503.82	11,030.98	49,901.10
....	....	....	....	....	....	....	....
9,298.02	1,421.37	10,307.82	2,401.06	1,376.40	36,771.16	2,251.13	10,966.03
7,881.07	1,234.61	13,817.16	3,338.46	870.46	65,544.35	3,150.51	19,944.64
2,233.59	421.12	6,115.00	698.90	554.37	23,562.16	1,030.14	8,076.04
....	....	....	....	....	....	....	....
5,647.57	249.58	644.40	1,157.53	727.38	15,122.76	1,403.42	4,494.32
....	....	....	....	....	....	....	....
4,466.89	709.55	....	....	....	....	....	....
58,991.21	7,214.38	57,854.96	21,918.17	9,926.76	390,073.38	19,276.18	122,946.68
3,893.87	2,372.28	9,780.91	620.80	26.82	6,950.14	3,159.90	11,423.49
10,000.00	....	5,000.00	3,500.00	....	5,000.00	....	....
5,509.88	224.11	3,842.22	2,312.94	16.32	31,541.84	757.52	8,419.16
....	....	260.62	....	....	8,451.81	....	4,156.88
....	....	....	....	....	....	....	....
30,582.24	3,309.57	3,551.63	6,166.08	2,044.09	168,289.20	6,137.55	58,191.94
....	....	....	....	....	....	....	....
108,977.20	13,120.34	80,290.34	34,517.99	12,013.99	610,306.37	29,331.15	205,138.15
....	....	....	....	....	....	....	....
108,977.20	13,120.34	80,290.34	34,517.99	12,013.99	610,306.37	29,331.15	205,138.15
....	644.36	51,139.32	7,420.96	5,408.95	....	3,609.21	10,000.00
392.57	189.20	4,233.48	12.49	577.31	5,045.15	77.35	262.95
....	....	....	....	....	....	....	....
266.69	....	1,723.09	....	60.00	9,055.58	124.00	1,555.47
659.26	833.56	57,095.89	7,433.45	6,046.26	14,100.73	3,810.56	11,818.42
30,582.24	3,309.57	3,551.63	6,166.08	2,044.09	168,289.20	6,137.55	58,191.94
20,910.84	2,653.26	2,164.80	5,215.29	1,762.00	54,217.99	6,489.12	16,011.16
343.96	....	....	206.06	....	1,943.70	....	....
51,837.04	5,962.83	5,716.43	11,587.43	3,806.09	224,450.89	12,626.67	74,203.10
48,133.84	5,355.64	4,329.81	6,579.04	2,091.05	176,000.00	7,590.79	61,000.00
....	....	....	....	....	....	....	....
8,347.06	968.31	13,148.21	8,918.07	70.59	195,754.75	5,303.13	58,116.63
56,480.90	6,323.95	17,478.02	15,497.11	2,161.64	371,754.75	12,893.92	119,116.63
108,977.20	13,120.34	80,290.34	34,517.99	12,013.99	610,306.37	29,331.15	205,138.15
0.8	8.5	74.4	26.2	60.6	3.2	16.4	8.0

STATEMENT

Balance Sheets of Electrical Departments of

EASTERN ONTARIO SYSTEM—Continued

Municipality	Brighton	Brockville	Cardinal	Carleton Place	Chesterville
Population	1,556	9,961	1,576	4,275	1,061
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	600.00	45,295.14	....	13,390.32	335.00
Substation equipment	....	39,212.30	....	2,471.63	....
Distribution system—overhead	17,030.10	99,193.14	14,078.95	46,116.46	10,641.61
Distribution system—underground	....	....	....	....	....
Line transformers	6,238.94	48,509.29	3,640.27	13,471.87	4,008.10
Meters	8,015.16	51,434.02	3,538.89	19,023.39	5,095.96
Street light equipment, regular	1,305.85	27,224.00	491.85	6,691.85	593.64
Street light equipment, ornamental	....	....	....	....	....
Miscellaneous construction expense	688.18	2,135.54	734.66	5,064.90	904.22
Steam or hydraulic plant	....	46,965.86	....	....	....
Old plant	....	4,821.76	3,474.80	5,289.19	....
Total plant	33,878.23	364,791.05	25,959.42	111,519.61	21,578.53
Bank and cash balance	457.62	....	538.84	5,419.45	145.50
Securities and investments	....	103,000.00	3,000.00	23,000.00	9,000.00
Accounts receivable	4,275.62	2,857.73	743.05	4,462.97	1,742.95
Inventories	5,496.48	2,747.35	....	1,508.23	544.46
Sinking fund on local debentures	....	....	....	....	....
Equity in H-E.P.C. systems	11,133.98	170,947.77	5,406.00	78,430.75	27,197.35
Other assets	....	....	....	....	....
Total assets	55,241.93	644,343.90	35,647.31	224,341.01	60,208.79
Deficit	....	....	....	....	....
Total	55,241.93	644,343.90	35,647.31	224,341.01	60,208.79
LIABILITIES					
Debenture balance	11,417.07	....	8,694.20	22,201.34	....
Accounts payable	48.38	4,776.90	105.63	551.96	....
Bank overdraft	....	6,550.19	....	....	....
Other liabilities	269.24	42.40	....	1,436.40	....
Total liabilities	11,734.69	11,369.49	8,799.83	24,189.70	....
RESERVES					
For equity in H-E.P.C. systems	11,133.98	170,947.77	5,406.00	78,430.75	27,197.35
For depreciation	4,130.34	130,234.88	2,701.78	16,944.45	7,611.07
Other reserves	551.26	14,881.79	63.23	953.58	....
Total reserves	15,815.58	316,064.44	8,171.01	96,328.78	34,808.42
SURPLUS					
Debentures paid	13,582.93	226,657.54	6,305.80	43,798.66	6,500.00
Local sinking fund	....	....	....	....	....
Operating surplus	14,108.73	90,252.43	12,370.67	60,023.87	18,900.37
Total surplus	27,691.66	316,909.97	18,676.47	103,822.53	25,400.37
Total liabilities, reserves and surplus	55,241.93	644,343.90	35,647.31	224,341.01	60,208.79
Percentage of net debt to total assets	26.6	2.4	29.1	16.7	0.0

"A"—Continued

Hydro Municipalities as at December 31, 1940

Cobden 639	Cobourg 5,268	Colborne 942	Deseronto 1,300	Finch 347	Hastings 772	Havelock 1,156	*Iroquois 1,068
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
	29,949.68	....	597.41	....	....	....	....
....	1,668.35	....	161.18	....	....	572.90	100.00
4,015.69	81,480.25	10,968.48	10,744.59	8,136.43	17,383.98	19,914.33	4,509.50
....	....	....	....	....	....	....	....
1,006.51	25,928.14	1,250.89	1,702.57	2,159.77	3,413.84	2,961.87	3,153.63
1,064.28	31,193.27	2,745.29	5,031.88	1,946.87	3,590.82	5,835.12	3,945.39
444.46	13,382.30	1,479.27	432.60	504.07	1,183.74	1,883.33	243.00
....	....	....	....	....	....	....	....
45.86	4,514.27	3,192.27	374.23	80.54	714.47	4,652.36	397.71
....	....	....	....	....	....	....	....
2,853.85	....	....	....	....	1,733.13	2,420.45	575.00
9,430.65	188,116.26	19,636.20	19,044.46	12,827.68	28,119.98	38,240.36	12,924.23
2,004.55	10,467.72	1,755.60	674.47	755.28	418.43	1,636.29	1,870.41
2,000.00	....	3,500.00	....	3,000.00	4,500.00	12,000.00	....
946.28	16,938.90	128.77	1,776.80	531.67	638.68	683.53	52.74
....	2,815.76	1,400.23	628.52	....	....	....	....
....	....	....	....	....	....	....	....
1,215.69	43,666.06	3,823.71	6,924.86	4,298.06	3,609.94	12,042.21	341.33
....	....	....	....	....	....	....	....
15,597.17	262,004.70	30,244.51	29,049.11	21,412.69	37,287.03	64,602.39	15,188.71
....	....	....	....	....	....	....	....
15,597.17	262,004.70	30,244 51	29,049.11	21,412.69	37,287.03	64,602.39	15,188.71
4,791.36	73,290.86	9,179.62	707.21	3,406.86	14,220.74	639.41	....
....	7,039.27	883.73	180.12	235.34	8.75	....	1,104.62
....	....	....	....	....	....	....	....
142.50	4,523.48	239.00	291.12	60.00	210.00	....	15.00
4,933.86	84,853.61	10,302.35	1,178.45	3,702.20	14,439.49	639.41	1,119.62
1,215.69	43,666.06	3,823.71	6,924.86	4,298.06	3,609.94	12,042.21	341.33
621.61	26,267.52	2,403.13	3,887.37	2,378.63	4,155.94	12,568.62	82.50
....	....	....	....	10.59	....	....	....
1,837.30	69,933.58	6,226.84	10,812.23	6,687.28	7,765.88	24,610.83	423.83
3,011.91	32,702.64	3,014.97	14,292.79	3,593.14	6,779.26	32,260.59	....
....	....	....	....	....	....	....	....
5,814.10	74,514.87	10,700.35	2,765.64	7,430.07	8,302.40	7,091.56	13,645.26
8,826.01	107,217.51	13,715.32	17,058.43	11,023.21	15,081.66	39,352.15	13,645.26
15,597.17	262,004.70	30,244.51	29,049.11	21,412.69	37,287.03	64,602.39	15,188.71
34.3	38.9	39.0	5.3	21.6	42.9	1.2	7.5

* 9 months operation.

STATEMENT

Balance Sheets of Electrical Departments of

EASTERN ONTARIO SYSTEM—Continued

Municipality	Kemptville	Kingston	Lakefield	Lanark	Lancaster
Population	1,223	23,989	1,413	734	563
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	3,422.88	221,750.00	3,137.97	....	....
Substation equipment	....	227,085.01	....	....	....
Distribution system—overhead	20,812.21	188,022.53	22,387.76	6,852.91	7,539.44
Distribution system—underground	....	193,192.08	....	....	....
Line transformers	6,435.41	74,846.42	5,993.32	1,688.69	1,868.83
Meters	7,598.06	121,880.70	7,459.29	2,102.75	1,805.63
Street light equipment, regular	1,090.07	76,256.25	1,876.05	747.54	650.65
Street light equipment, ornamental	....	....	....	....	....
Miscellaneous construction expense	5,842.22	48,435.70	4,342.41	317.80	1,068.55
Steam or Hydraulic plant	....	17,670.80	....	....	....
Old plant	....	....	3,445.25	....	....
Total plant	45,200.85	1,169,139.49	48,642.05	11,709.69	12,933.10
Bank and cash balance	1,276.14	9,973.33	1,501.15	1,817.68	3,116.98
Securities and investments	20,000.00	151,175.00	9,000.00	3,982.05	....
Accounts receivable	2,876.28	39,851.39	513.44	237.29	83.22
Inventories	366.69	17,348.40	....	....	....
Sinking fund on local debentures	....	23,609.45	....	....	....
Equity in H-E.P.C. systems	20,490.23	61,806.97	12,862.79	6,176.43	6,152.23
Other assets	....	3,221.53	....	....	....
Total assets	90,210.19	1,476,125.56	72,519.43	23,923.14	22,285.53
Deficit	....	....	....	....	....
Total	90,210.19	1,476,125.56	72,519.43	23,923.14	22,285.53
LIABILITIES					
Debenture balance	13,367.62	50,456.00	18,441.93	....	....
Accounts payable	122.40	109.25	537.22	....	69.69
Bank overdraft	....	....	....	....	....
Other liabilities	75.00	10,010.11	624.80	60.00	153.36
Total liabilities	13,565.02	60,575.36	19,603.95	60.00	223.05
RESERVES					
For equity in H-E.P.C. systems	20,490.23	61,806.97	12,862.79	6,176.43	6,152.23
For depreciation	13,867.75	272,329.70	15,689.38	3,865.55	3,810.58
Other reserves	....	157,890.89	....	....	....
Total reserves	34,357.98	492,027.56	28,552.17	10,041.98	9,962.81
SURPLUS					
Debentures paid	11,632.38	261,444.00	15,058.07	7,561.47	9,970.42
Local sinking fund	....	23,609.45	....	....	....
Operating surplus	30,654.81	638,469.19	9,305.24	6,259.69	2,129.25
Total surplus	42,287.19	923,522.64	24,363.31	13,821.16	12,099.67
Total liabilities, reserves and surplus	90,210.19	1,476,125.56	72,519.43	23,923.14	22,285.53
Percentage of net debt to total assets	19.5	2.7	32.9	0.3	1.4

"A"—Continued

Hydro Municipalities as at December 31, 1940

Lindsay 7,203	Madoc 1,054	Marmora 997	Martintown P.V.	Maxville 760	Millbrook 728	Morrisburg 1,555	Napanee 3,234
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
10,777.68	100.00	...	126.15	...	...	5,000.00	9,072.77
3,176.56	...	...	...	407.79	...	4,457.21	...
98,969.92	11,810.00	13,743.95	2,840.45	11,825.25	5,987.86	11,818.06	45,747.66
...	...	...	...	...	...	...	...
27,622.63	3,496.56	3,808.11	709.39	2,132.68	758.45	4,959.31	10,829.19
33,555.77	5,130.32	3,922.83	1,047.34	2,804.91	1,770.48	6,978.36	18,001.31
10,334.23	1,577.14	1,193.23	354.94	1,950.24	580.26	795.00	4,209.93
...	...	...	...	...	...	...	...
2,707.49	159.22	2,188.21	702.53	2,478.31	79.92	335.84	3,769.78
...	...	...	...	...	...	...	...
...	...	573.62	...	...	...	27,733.82	...
187,144.28	22,273.24	25,429.95	5,780.80	21,599.18	9,176.97	62,077.60	91,630.64
3,987.46	2,322.81	3,621.20	1,414.47	2,447.33	2,056.58	3,921.16	4,481.77
55,000.00	5,000.00	...	1,000.00	2,000.00	...	...	...
7,173.18	584.80	622.50	569.61	1,144.22	305.35	3,704.99	5,847.81
240.78	...	...	...	...	...	...	7,378.25
...	...	...	...	...	...	...	...
92,719.93	7,675.73	5,530.56	2,083.98	9,571.65	453.70	1,122.75	40,894.07
...	...	...	...	...	...	771.19	...
346,265.63	37,856.58	35,204.21	10,848.86	36,762.38	11,992.60	71,597.69	150,232.54
...	...	...	...	...	...	...	...
346,265.63	37,856.58	35,204.21	10,848.86	36,762.38	11,992.60	71,597.69	150,232.54
67,421.27	...	1,193.22	...	...	8,304.71	25,626.98	...
...	51.00	...	31.24	1,338.87	1.53	1,275.79	54.23
...	...	...	...	...	...	...	...
3,069.79	442.00	200.00	10.00	120.00	198.82	771.19	864.90
70,491.06	493.00	1,393.22	41.24	1,458.87	8,505.06	27,673.96	919.13
92,719.93	7,675.73	5,530.56	2,083.98	9,571.65	453.70	1,122.75	40,894.07
43,113.82	1,764.47	4,662.33	2,182.38	6,656.26	418.00	1,420.00	11,835.63
...	...	...	81.02	400.00	...	31,296.54	...
135,833.75	9,440.20	10,192.89	4,347.38	16,627.91	871.70	33,839.29	52,729.70
62,578.73	14,000.00	16,472.89	6,000.00	16,000.00	695.29	8,946.30	70,000.00
...	...	...	...	...	...	...	...
77,362.09	13,923.38	7,145.21	460.24	2,675.60	1,920.55	1,138.14	26,583.71
139,940.82	27,923.38	23,618.10	6,460.24	18,675.60	2,615.84	10,084.44	96,583.71
346,265.63	37,856.58	35,204.21	10,848.86	36,762.38	11,992.60	71,597.69	150,232.54
27.8	1.6	4.7	0.5	5.4	73.8	39.3	0.8

STATEMENT

Balance Sheets of Electrical Departments of

EASTERN ONTARIO SYSTEM—Continued

Municipality	Newcastle	Norwood	Omemee	Orono	Oshawa
Population	698	703	547	P.V.	24,938
	$ c.	$ c.	$ c.	$ c.	$ c.
ASSETS					
Lands and buildings	107.37				61,288.82
Substation equipment		457.53	360.32		1,565.29
Distribution system—overhead	14,433.46	23,454.96	13,013.27	5,100.79	251,093.94
Distribution system—underground					
Line transformers	4,012.74	4,035.13	4,057.94	776.77	68,106.78
Meters	3,578.42	5,403.33	3,666.33	1,731.62	118,438.90
Street light equipment, regular	788.22	1,886.92	793.26	529.46	17,501.94
Street light equipment, ornamental					
Miscellaneous construction expense	683.32	3,955.45	1,699.72	295.97	62,438.79
Steam or hydraulic plant					
Old plant		2,447.51			6,431.65
Total plant	23,603.53	41,640.83	23,590.84	8,434.61	586,866.11
Bank and cash balance	458.91	1,851.92	6,739.00	3,386.50	400.00
Securities and investments		13,000.00			
Accounts rdceivable	480.58	2,080.15	373.35	290.20	65 176.64
Inventories					11,623.53
Sinking fund on local debentures					
Equity in H-E.P.C. systems	1,487.46	5,913.85	379.83	521.11	515,383.90
Other assets		426.28			123.87
Total assets	26,030.48	64,913.03	31,083.02	12,632.42	1,179,574.05
Deficit					
Total	26,030.48	64,913.03	31,083.02	12,632.42	1,179,574.05
LIABILITIES					
Debenture balance	3,691.35	18,630.42		7,356.50	108,000.00
Accounts payable	12.24	67.86	.30	182.39	60,510.50
Bank overdraft					11,070.63
Other liabilities		426.28	163.06		26,153.99
Total liabilities	3,703.59	19,124.56	163.36	7,538.89	205,735.12
RESERVES					
For equity in H-E.P.C. systems	1,487.46	5,913.85	379.83	521.11	515,383.90
For depreciation	9,317.29	15,269.23	10,313.07	320.00	90,246.13
Other reserves				781.50	4,600.00
Total reserves	10,804.75	21,183.08	10,692.90	1,622.61	610,230.03
SURPLUS					
Debentures paid	10,308.65	18,469.58	12,000.00	643.50	202,000.00
Local sinking fund					
Operating surplus	1,213.49	6,135.81	8,226.76	2,827.42	161,608.90
Total surplus	11,522.14	24,605.39	20,226.76	3,470.92	363,608.90
Total liabilities, reserves and surplus	26,030.48	64,913.03	31,083.02	12,632.42	1,179,574.05
Percentage of net debt to total assets.	15.1	32.4	0.5	62.2	31.0

"A"—Continued

Hydro Municipalities as at December 31, 1940

Ottawa	Perth	Peterborough	Picton	Port Hope	Prescott	Richmond
145,183	4,182	24,017	3,582	4,812	2,925	409
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
484,698.49	5,109.34	78,638.66	10,896.49	11,691.21	2,761.54	...
847,641.91	6,198.72	122,686.69	2,004.66	...	...	...
856,982.34	47,842.12	299,398.36	41,529.57	55,155.71	42,043.29	6,786.80
213,395.54	...	...	...	...	...	...
378,648.10	26,009.61	122,385.50	12,785.82	18,345.94	15,645.16	1,279.53
296,180.02	23,379.48	110,824.85	18,707.60	25,540.74	20,226.26	1,406.05
124,592.61	4,695.82	59,481.37	10,521.97	3,537.62	2,302.03	173.98
...	...	...	...	...	...	...
42,704.73	5,076.83	87,311.14	4,338.72	3,094.80	1,128.59	642.54
...	...	...	...	...	...	...
...	23,361.94	29,771.74	...	...	...	...
3,244,843.74	141,673.86	910,498.31	100,784.83	117,366.02	84,106.87	10,288.90
288,098.90	17,212.39	150.00	...	1,594.19	1,652.47	734.72
270,000.00	58,653.72	...	14,000.00	12,000.00	3,000.00	...
116,894.23	5,634.79	38,997.17	6,151.56	6,388.59	4,887.59	678.32
35,108.87	8,501.37	9,101.35	5,714.71	3,030.66	...	...
421,197.79	...	411,360.32	...	...	...	...
179,022.17	68,884.70	302,639.20	52,235.23	55,152.39	48,260.84	2,847.30
...	...	...	3,282.16	...	1,200.73	...
4,555,165.70	300,560.83	1,672,746.35	182,168.49	195,531.85	143,108.50	14,549.24
...	...	...	...	...	...	...
4,555,165.70	300,560.83	1,672,746.35	182,168.49	195,531.85	143,108.50	14,549.24
436,040.12	38,051.29	527,920.00	...	...	...	3,519.27
66,049.84	...	25,232.64	8.68	...	5,120.18	...
...	...	20,745.75	2,559.17	...	...	...
1,544.92	2,719.34	85.00	3,282.16	5,301.81	299.08	113.00
503,634.88	40,770.63	573,983.39	5,850.01	5,301.81	5,419.26	3,632.27
179,022.17	68,884.70	302,639.20	52,235.23	55,152.39	48,260.84	2,847.30
1,401,508.98	59,579.61	146,388.85	17,139.04	19,507.39	47,738.14	2,160.59
309,890.86	790.62	1,269.99	992.61	828.48	...	52.84
1,890,422.01	129,254.93	450,298.04	70,366.88	75,488.26	95,998.98	5,060.73
543,959.88	70,348.71	...	5,730.32	79,000.00	12,170.99	2,980.73
421,197.79	...	411,360.32	...	...	...	...
1,195,951.14	60,186.56	237,104.60	100,221.28	35,741.78	29,519.27	2,875.51
2,161,108.81	130,535.27	648,464.92	105,951.60	114,741.78	41,690.26	5,856.24
4,555,165.70	300,560.83	1,672,746.35	182,168.49	195,531.85	143,108.50	14,549.24
2.1	17.6	16.9	4.5	3.8	5.7	31.0

STATEMENT

Balance Sheets of Electrical Departments of

EASTERN ONTARIO SYSTEM—Concluded

Municipality	Russell	Smiths Falls	Stirling	Trenton	Tweed
Population	P.V.	7,672	981	7,222	1,246
Assets	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings		20,462.85	8,522.88	5,114.41	
Substation equipment		4,750.86	7,949.55	28,775.27	
Distribution system—overhead	8,215.46	90,097.94	6,949.33	111,624.43	14,456.53
Distribution system—underground					
Line transformers	1,495.50	36,128.89	4,829.85	24,370.25	4,032.21
Meters	1,810.39	37,114.77	5,267.98	33,111.24	5,501.19
Street light equipment, regular	589.70	9,508.35	3,183.33	15,922.17	1,956.64
Street light equipment, ornamental					
Miscellaneous construction expense	1,280.61	13,779.68	583.64	6,084.93	
Steam or hydraulic plant		36,986.49			
Old plant		21,248.48			
Total plant	13,391.66	270,078.31	37,286.56	225,002.70	25,946.57
Bank and cash balance	1,160.03	20,496.99	6,965.90	15,225.90	3,730.35
Securities and investments	4,000.00	48,000.00	3,379.18		
Accounts receivable	979.99	4,426.13	1,162.76	2,526.44	2,703.18
Inventories		13.55	702.59	4,304.81	435.97
Sinking fund on local debentures					
Equity in H-E.P.C. systems	5,562.47	100,208.98	8,586.69	75,059.39	9,344.67
Other assets					
Total assets	25,094.15	443,223.96	58,083.68	322,119.24	42,160.74
Deficit					
Total	25,094.15	443,223.96	58,083.68	322,119.24	42,160.74
Liabilities					
Debenture balance	3,573.35	1,993.03		33,140.90	6,881.06
Accounts payable	167.03	545.47	24.00	287.28	49.86
Bank overdraft					
Other liabilities		230.60	327.13	5,084.87	302.19
Total liabilities	3,740.38	2,769.10	351.13	38,513.05	7,233.11
Reserves					
For equity in H-E.P.C. systems	5,562.47	100,208.98	8,586.69	75,059.39	9,344.67
For depreciation	3,247.34	95,975.90	6,216.49	37,116.94	3,185.03
Other reserves		2,339.91			443.76
Total reserves	8,809.81	198,524.79	14,803.18	112,176.33	12,973.46
Surplus					
Debentures paid	6,426.65	195,631.97	10,000.00	131,859.10	12,118.94
Local sinking fund					
Operating surplus	6,117.31	46,298.10	32,929.37	39,570.76	9,835.23
Total surplus	12,543.96	241,930.07	42,929.37	171,429.86	21,954.17
Total liabilities, reserves and surplus	25,094.15	443,223.96	58,083.68	322,119.24	42,160.74
Percentage of net debt to total assets	19.2	0.8	0.7	15.6	22.0

"A"—Continued

Hydro Municipalities as at December 31, 1940

Warkworth P.V.	Wellington 934	Westport 710	Whitby 3,863	Williamsburg P.V.	Winchester 1,059	EASTERN ONTARIO SYSTEM SUMMARY
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
....	200.00	....	6,619.20	....	299.85	1,110,957.27
....	499.80	....	34,288.16	....	....	1,418,415.27
5,620.72	15,110.47	7,349.21	57,756.55	3,431.14	10,390.62	3,047,806.53
....	....	....	....	....	....	406,587.62
815.59	4,085.20	1,015.48	13,167.25	1,978.92	3,691.15	1,089,086.98
2,053.79	5,928.54	1,794.62	18,826.16	2,391.10	5,730.20	1,220,912.93
338.08	1,349.61	706.11	12,477.98	174.61	719.87	473,998.46
....	....	....	....	....	....	....
609.19	923.42	1,387.20	7,876.68	176.98	382.42	371,829.50
....	....	....	....	....	....	101,623.15
3,618.02	2,477.92	1,713.00	1,340.13	....	1,100.00	151,607.70
13,055.39	30,574.96	13,965.62	152,352.11	8,152.75	22,314.11	9,392,825.41
703.42	1,172.73	1,236.83	1,798.81	390.62	3,017.68	484,488.69
2,500.00	6,000.00	4,000.00	5,000.00	20,000.00	7,000.00	904,189.95
519.24	744.70	419.93	7,158.64	544.31	394.15	421,530.40
....	....	....	337.39	....	....	132,219.26
....	....	....	....	....	....	856,167.56
3,834.87	9,911.28	4,664.16	49,909.82	6,259.54	19,597.35	2,440,518.23
....	....	....	....	....	....	9,025.76
20,612.92	48,403.67	24,286.54	216,556.77	35,347.22	52,323.29	14,640,965.26
....	....	....	....	....	....	....
20,612.92	48,403.67	24.286.54	216,556.77	35,347.22	52,323.29	14,640,965.26
7,427.97	5,259.01	9,422.84	17,844.82	....	2,680.77	1,643,015.90
....	....	....	233.87	5.50	68.11	187,882.17
....	....	....	....	....	....	40,925.74
14.00	56.25	165.00	1,433.08	399.16	10.00	84,724.86
7,441.97	5,315.26	9,587.84	19,511.77	404.66	2,758.88	1,956,548.67
3,834.87	9,911.28	4,664.16	49,909.82	6,259.54	19,597.35	2,440,518.23
2,785.77	10,575.77	1,909.56	28,078.04	3,499.72	9,924.44	2,727,031.47
....	....	....	....	358.04	....	530,971.23
6,620.64	20,487.05	6,573.72	77,987.86	10,117.30	29,521.79	5,698,520.93
3,572.03	11,740.99	5,577.16	58,767.68	2,750.00	7,969.23	2,607,966.06
....	....	....	....	....	....	856,167.56
2,978.28	10,860.37	2.547.82	60,289.46	22,075.26	12,073.39	3,521,762.04
6,550.31	22,601.36	8,124.98	119,057.14	24,825.26	2,042.62	6,985,895.66
20,612.92	48,403.67	24,286.54	216,556.77	35,347.22	52,323.29	14,640,965.26
44.4	13.8	48 9	11.7	1.4	8.4	9.7

STATEMENT

Balance Sheets of Electrical Departments of

THUNDER BAY SYSTEM

Municipality	Fort William	Nipigon Twp.	Port Arthur	THUNDER BAY SYSTEM SUMMARY
Population	24,843		21,284	
ASSETS	$ c.	$ c.	$ c.	$ c.
Lands and buildings	78,485.66	215.03	450,389.23	529,089.92
Substation equipment	143,515.69		301,211.75	444,727.44
Distribution system—overhead	205,545.25	15,981.19	493,512.65	715,039.09
Distribution system—underground				
Line transformers	82,482.34	3,978.80	95,148.17	181,609.31
Meters	81,489.33	3,899.62	102,568.88	187,957.83
Street light equipment, regular	46,088.92	2,436.86	80,368.73	128,894.51
Street light equipment, ornamental				
Miscellaneous construction expense	15,642.81	244.00	65,333.46	81,220.27
Steam or hydraulic plant			325,003.44	325,003.44
Old plant	293,762.46			293,762.46
Total plant	947,012.46	26,755.50	1,913,536.31	2,887,304.27
Bank and cash balance	2,075.00	775.43	10,053.81	12,904.24
Securities and investments	51,500.00	1,732.02	597,408.17	650,640.19
Accounts receivable	33,453.72	954.22	73,826.50	108,234.44
Inventories	12,122.11	13.75	26,049.91	38,185.77
Sinking fund on local debentures	87,689.03		39,913.16	127,602.19
Equity in H-E.P.C. systems	630,460.69	5,255.82	2,074,621.13	2,710,337.64
Other assets			292.46	292.46
Total assets	1,764,313.01	35,486.74	4,735,701.45	6,535,501.20
Deficit				
Total	1,764,313.01	35,486.74	4,735,701.45	6,535,501.20
LIABILITIES				
Debenture balance	250,000.00	3,021.02	43,378.03	296,399.05
Accounts payable	33,029.08	46.12	64,572.40	97,647.60
Bank overdraft	8,360.68		55,473.40	63,834.08
Other liabilities	25,923.76			25,923.76
Total liabilities	317,313.52	3,067.14	163,423.83	483,804.49
RESERVES				
For equiry in H-E.P.C. systems	630,460.69	5,255.82	2,074,621.13	2,710,337.64
For depreciation	156,558.45	3,605.64	582,551.75	742,715.84
Other reserves	26,613.44		91,431.18	118,044.62
Total reserves	813,632.58	8,861.46	2,748,604.06	3,571,098.10
SURPLUS				
Debentures paid	417,650.00	6,978.98	598,721.97	1,023,350.95
Local sinking fund	87,689.03		39,913.16	127,602.19
Operating surplus	128,027.88	16,579.16	1,185,038.43	1,329,645.47
Total surplus	633,366.91	23,558.14	1,823,673.56	2,480,598.61
Total liabilities, reserves and surplus	1,764,313.01	35,486.74	4,735,701.45	6,535,501.20
Percentage of net debt to total assets	21.9	10.1	4.7	9.6

"A"—Concluded

Hydro Municipalities as at December 31, 1940

NORTHERN ONTARIO DISTRICTS

Capreol 1,700	North Bay 15,797	Sioux Lookout 1,933	Sudbury 29,186	NORTHERN ONTARIO DISTRICTS SUMMARY	ALL SYSTEMS GRAND SUMMARY
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
450.00	36,330.00	....	45,841.98	82,621.98	11,218,258.69
9,632.32	71,129.06	....	85,526.15	166,287.53	24,282,151.78
12,917.74	142,695.08	8,718.69	346,731.87	511,063.38	24,653,458.44
....	....	....	....	....	6,214,957.69
4,715.35	38,735.44	3,553.01	97,504.04	144,507.84	11,030,643.29
4,914.26	78,649.94	5,746.13	122,781.00	212,091.33	9,927,971.40
1,099.26	27,624.37	1,698.95	101,387.52	131,810.10	2,879,996.65
....	....	....	....	....	1,534,320.08
826.49	15,223.24	494.60	13,757.52	30,301.85	4,341,259.94
....	....	....	....	....	498,575.87
....	....	....	....	....	1,332,606.12
34,555.42	410,387.13	20,211.38	813,530.08	1,278,684.01	97,914,199.95
2,333.02	....	95.73	42,023.82	44,452.57	4,462,197.18
....	....	....	103,500.00	103,500.00	5,315,855.49
644.61	72,344.11	423.06	22,651.27	96,063.05	4,715,848.86
....	8,469.03	....	24,755.26	33,224.29	1,630,987.28
....	....	....	....	....	5,829,573.87
....	....	....	....	....	52,457,676.76
....	....	....	....	....	258,395.70
37,533.05	491,200.27	20,730.17	1,006,460.43	1,555,923.92	172,584,735.09
....	....	....	....	....	22,218.88
37,533.05	491,200.27	20,730.17	1,006.460,43	1,555,923.92	172,606,953.97
....	240,000.00	....	117,836.54	357,836.54	20,636,363.20
26.17	20,067.97	251.78	27,718.88	48,064.80	3,095,613.25
....	....	....	....	....	187,038.91
335.00	24,854.02	2,234.11	34,108.57	61,531.70	3,004,623.22
361.17	284,921.99	2,485.89	179,663.99	467,433.04	26,923,638.58
....	....	....	....	....	52,457,676.76
4,021.00	185,530.17	488.90	62,751.68	252,791.75	25,733,628.33
156.16	266.31	100.00	64,441.72	64,964.19	3,326,591.65
4,177.16	185,796.48	588.90	127,193.40	317,755.94	81,517,896.74
19,000.00	....	....	349,501.99	368,501.99	37,245,922.84
....	....	....	....	....	5,829,573.87
13,994.72	20,481.80	17,655.38	350,101.05	402,232.95	21,089,921.94
32,994.72	20,481.80	17,655.38	699,603.04	770,734.94	64,165,418.65
37,533.05	491,200.27	20,730.17	1,006,460.43	1,555,923.92	172,606,953.97
0.9	58.0	12.0	17.9	30.0	17.4

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM

Municipality Population	Acton 1,903	Agincourt P.V.	Ailsa Craig 477	Alvinston 663	Amherstburg 2,755
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	12,007.88	5,089.99	2,548.95	3,766.54	21,915.79
Commercial light service	4,860.03	1,400.01	1,324.56	2,093.56	8,496.77
Commercial power service	19,520.65	699.74	919.98	194.48	6,902.77
Municipal power	642.20	....	....	317.78	....
Street lighting	1,980.06	744.00	696.00	1,683.50	2,315.85
Merchandise	....	....	....	....	....
Miscellaneous	311.85	269.60	292.23	102.79	252.68
Total earnings	39,322.67	8,203.34	5,781.72	8,158.65	39,883.86
EXPENSES					
Power purchased	30,547.94	5,704.64	4,435.23	4,942.73	27,457.98
Substation operation	....	....	....	....	....
Substation maintenance	....	....	....	....	....
Distribution system, operation and maintenance	2,445.36	214.93	70.77	373.53	1,000.53
Line transformer maintenance	51.82	70.21	....	11.85	....
Meter maintenance	69.63	24.81	2.82	157.74	153.38
Consumers' premises expenses	423.18	160.62	....	....	1,701.59
Street lighting, operation and maintenance	376.67	34.74	58.75	130.87	808.26
Promotion of business	21.30	....	....	....	770.35
Billing and collecting	721.37	419.99	310.37	420.81	1,362.16
General office, salaries and expenses	233.39	133.37	91.26	86.78	1,059.08
Undistributed expenses	128.13	....	11.01	25.60	164.04
Truck operation and maintenance	97.26	....	....	....	149.62
Interest	....	....	....	....	697.51
Sinking fund and principal payments on debentures	....	....	....	....	....
Depreciation	1,571.00	474.00	553.00	807.00	2,568.00
Other reserves	....	....	....	....	....
Total operating costs and fixed charges	36,687.05	7,237.31	5,533.21	6,956.91	37,892.50
Net surplus	2,635.62	966.03	248.51	1,201.74	1,991.36
Net loss	....	....	....	....	....
NUMBER OF CONSUMERS					
Domestic service	520	157	144	265	699
Commercial light service	94	27	38	53	137
Power service	16	2	3	2	14
Total	630	186	185	320	850

"B"

Hydro Municipalities for Year Ended December 31, 1940

Ancaster Twp.	Arkona 408	Aylmer 1,979	Ayr 768	Baden P.V.	Beachville P.V.	Beamsville 1,186
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
12,245.14	2,927.14	11,259.71	5,526.19	3,517.71	3,498.48	9,945.24
3,152.57	1,798.38	10,323.52	1,796.38	2,015.25	652.19	5,188.85
753.14	7.72	5,531.39	542.87	5,606.17	12,821.78	2,151.93
289.24	...	1,042.16	...	...	...	...
1,054.00	1,072.00	2,590.00	1,060.20	711.00	517.00	1,941.07
...	...	...	...	...	...	...
...	...	1,207.04	30.00	38.90	187.38	200.51
17,494.09	5,805.24	31,953.82	8,955.64	11,889.03	17,676.83	19,427.60
9,555.80	3,029.71	19,784.38	6,185.76	9,281.82	14,587.05	9,822.73
...	...	...	...	...	...	...
...	...	...	...	...	...	...
1,157.03	391.11	909.63	606.21	131.96	249.54	409.35
12.05	...	85.69	...	...	...	3.08
273.98	36.60	58.00	110.65	50.60	95.48	3.60
218.66	10.15	34.56	115.48	232.72	4.35	405.90
212.01	54.96	406.61	110.94	91.82	85.25	167.20
...	...	131.31	...	...	...	...
919.42	239.75	979.79	450.80	298.56	372.63	631.17
643.52	69.13	601.22	78.34	102.71	123.56	589.36
54.25	...	208.33	15.59	12.10	...	5.33
...	...	194.73	...	...	...	...
540.82	316.25	644.64	224.44	30.24	148.67	1,397.24
689.66	819.29	1,866.28	491.99	295.02	209.62	1,362.08
1,160.00	423.00	1,809.00	714.00	539.00	812.00	1,471.00
...	...	...	...	...	...	366.63
15,437.20	5,389.95	27,714.17	9,104.20	11,066.55	16,688.15	16,634.67
2,056.89	415.29	4,239.65	...	822.48	988.68	2,792.93
...	...	...	148.56	...	...	...
350	108	707	256	152	164	364
36	36	154	44	37	21	73
7	1	13	4	2	4	6
393	145	874	304	191	189	443

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality	Belle River	Blenheim	Blyth	Bolton	Bothwell
Population	852	1,844	656	600	646
EARNINGS	$ c.	$ c.	c.	$ c.	$ c.
Domestic service	4,601.27	9,263.88	3,559.61	4,182.48	2,900.61
Commercial light service	2,634.54	8,719.62	2,034.67	1,799.46	1,963.39
Commercial power service	94.06	3,305.79	521.63	2,107.66	677.18
Municipal power	1,214.23	1,990.45	....	129.91	148.88
Street lighting	1,018.00	2,625.00	1,580.00	1,070.52	1,225.02
Merchandise	....	....	....	....	....
Miscellaneous	46.77	710.00	97.50	218.75	465.13
Total earnings	9,608.87	26,614.74	7,793.41	9,508.78	7,380.21
EXPENSES					
Power purchased	5,181.81	16,037.54	4,753.28	5,709.65	4,753.10
Substation operation	....	....	....	....	....
Substation maintenance	....	....	....	....	....
Distribution system, operation and maintenance	1,071.22	534.18	411.94	372.02	156.57
Line transformer maintenance	80.15	153.51	....	....	....
Meter maintenance	248.96	557.21	130.75	....	89.84
Consumers' premises expenses	38.06	523.55	....	228.51	....
Street lighting, operation and maintenance	104.94	589.08	110.24	135.86	106.09
Promotion of business	....	210.34	....	....	31.18
Billing and collecting	402.04	1,182.91	279.90	....	228.53
General office, salaries and expenses	226.83	1,226.60	148.50	557.15	96.25
Undistributed expenses	35.39	241.18	27.72	....	16.72
Truck operation and maintenance	....	....	....	....	....
Interest	....	514.60	131.69	142.61	108.68
Sinking fund and principal payments on debentures	....	717.00	1,152.47	484.30	256.07
Depreciation	940.00	2,101.00	574.00	707.00	622.00
Other reserves	....	....	....	....	....
Total operating costs and fixed charges	8,329.40	24,588.70	7,720.49	8,337.10	6,465.03
Net surplus	1,279.47	2,026.04	72.92	1,171.68	915.18
Net loss	....	....	....	....	....
NUMBER OF CONSUMERS					
Domestic service	248	541	178	181	187
Commercial light service	47	138	47	48	55
Power service	2	14	3	10	7
Total	297	693	228	239	249

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1940

Brampton 5,695	Brantford 31,309	Brantford Twp.	Bridgeport P.V.	Brigden P.V.	Brussels 814	Burford P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
41,469.64	173,969.64	23,489.43	4,850.10	2,272.14	4,644.73	4,818.82
20,276.47	80,193.06	4,080.84	840.90	2,195.98	3,055.59	1,162.15
20,311.12	215,145.07	3,467.71	148.09	664.19	802.99	621.33
932.08	9,101.95	....	....	....	....	....
6,597.83	33,668.32	4,296.08	876.00	800.00	1,296.00	670.08
....	....	....	....	....	....	....
376.07	5,140.41	562.95	32.88	89.84	273.63	259.72
89,963.21	517,218.45	35,897.01	6,747.97	6,022.15	10,072.94	7,532.10
72,047.52	386,439.61	21,981.82	3,331.90	3,571.48	5,526.31	5,476.69
251.11	9,750.17	....	....	....	....	....
....	525.50	....	....	....	....	....
1,269.28	6,516.70	1,563.54	82.47	481.80	354.12	76.18
87.32	941.82	58.66	....	....	....	....
789.71	5,003.37	877.05	120.00	132.47	91.81	266.07
1,121.05	6,858.38	22.12	88.06	....	....	18.34
637.63	4,216.37	1,023.47	109.74	101.74	135.30	69.62
....	221.92	....	....	110.50	....	....
1,782.08	10,667.12	1,852.10	360.03	331.58	....	515.72
1,805.61	8,555.88	1,571.50	41.50	161.32	621.31	129.78
123.92	4,419.12	10.05	5.00	7.67	....	9.69
428.70	2,255.57	....	....	....	....	....
256.86	3,473.75	....	388.97	....	347.77	....
....	15,750.00	....	814.67	....	1,418.51	....
5,808.00	35,358.00	3,263.00	590.00	513.00	754.00	594.00
100.00	2,000.00	23.94	....	....	....	....
86,508.79	502,953.28	32,247.25	5,932.34	5.411.56	9,249.13	7,156.09
3,454.42	14,265.17	3,649.76	815.63	610.59	823.81	376.01
....	....	....	....	....	....	....
1,538	7,970	1,050	180	117	247	200
243	1,262	48	18	39	68	29
53	202	8	1	4	4	2
1,834	9,434	1,106	199	160	319	231

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Burgessville	Caledonia	Campbellville	Cayuga	Chatham
Population	P.V.	1,425	P.V.	658	16,910
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	1,732.08	6,807.70	1,600.18	3,919.09	95,905.77
Commercial light service	798.54	5,559.57	775.03	4,078.37	92,582.83
Commercial power service	243.06	1,796.74	....	763.24	84,266.00
Municipal power	....	....	....	....	6,749.04
Street lighting	312.00	1,916.46	400.00	1,466.74	19,648.75
Merchandise	....	....	....	....	1,989.21
Miscellaneous	....	258.89	100.04	139.89	600.00
Total earnings	3,085.68	16,339.36	2,875.25	10,367.33	301,741.60
EXPENSES					
Power purchased	1,757.89	10,246.99	1,697.35	5,031.42	162,737.97
Substation operation	....	....	....	....	7,512.47
Substation maintenance	....	....	....	....	3,464.09
Distribution system, operation and maintenance	62.28	1,253.98	122.45	426.94	6,663.18
Line transformer maintenance	....	74.31	....	49.78	1,570.99
Meter maintenance	141.68	261.47	....	....	5,604.99
Consumers' premises expenses	....	77.85	....	....	4,527.94
Street lighting, operation and maintenance	1.80	467.38	19.85	176.12	3,929.33
Promotion of business	....	182.02	....	....	6,278.52
Billing and collecting	....	790.96	....	528.55	9,245.49
General office, salaries and expenses	125.81	924.64	121.67	475.47	14,070.16
Undistributed expenses	....	146.77	....	101.47	6,870.96
Truck operation and maintenance	....	365.94	....	....	2,917.51
Interest	....	....	101.51	479.28	8,060.48
Sinking fund and principal payments on debentures	....	....	386.73	1,280.52	13,021.87
Depreciation	260.00	847.00	149.00	825.00	20,113.00
Other reserves	....	....	....	....	....
Total operating costs and fixed charges	2,349.46	15,639.31	2,598.56	9,374.55	276,588.95
Net surplus	736.22	700.05	276.69	992.78	25,152.65
Net loss	....	....	....	....	....
NUMBER OF CONSUMERS					
Domestic service	56	425	54	175	4,228
Commercial light service	19	105	12	65	788
Power service	1	8	....	8	103
Total	76	538	66	248	5,119

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1940

Chippawa	Clifford	Clinton	Comber	Cottam	Courtright	Dashwood
1,172	456	1,879	P.V.	P.V.	344	P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
7,864.15	2,550.08	12,959.71	2,139.62	2,512.93	1,539.08	1,784.05
2,722.08	2,196.10	8,280.87	1,985.02	1,377.12	960.81	1,196.11
47.04	505.27	4,561.35	1,862.89	203.82	....	781.00
1,112.54	....	989.30	....	....	974.76	....
1,820.88	954.00	2,736.04	721.00	480.00	645.00	474.82
....	....	465.21	....	....	....	....
152.93	41.17	575.15	272.20	248.27	....	85.28
13,719.62	6,246.62	30,567.63	6,980.73	4,822.14	4,119.65	4,321.26
5,912.49	3,896.25	17,197.69	4,861.55	2,850.98	2,433.34	3,006.76
....	....	....	....	....	....	....
....	....	100.00	....	....	....	....
1,236.88	103.28	1,087.57	444.16	195.86	90.22	46.64
161.24	....	28.15	....	....	....	....
351.14	20.40	139.31	28.82	3.05	....	63.85
518.16	20.74	339.56	....	....	....	6.74
496.75	55.39	257.46	85.97	24.90	75.74	43.59
62.86	....	....	....	....	....	....
503.12	391.62	844.50	216.36	421.48	189.45	147.83
626.08	21.57	1,771.71	173.35	32.04	22.45	104.68
100.05	11.77	95.88	20.15	11.95	6.13	8.28
....	....	247.12	....	....	....	....
47.77	303.90	414.55	36.91	236.32	.61	73.47
549.44	246.55	180.09	217.96	517.73	....	160.82
763.00	380.00	2,408.00	564.00	474.00	267.00	290.00
....	....	....	....	....	....	....
11,328.98	5,451.47	25,111.59	6,649.23	4,768.31	3,084.94	3,952.66
2,390.64	795.15	5,456.04	331.50	53.83	1,034.71	368.60
....	....	....	....	....	....	....
336	128	550	112	117	80	88
54	39	151	47	26	26	26
2	1	17	3	1	1	3
392	168	718	162	144	107	117

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Delaware	Delhi	Dorchester	Drayton	Dresden
Population	P.V.	2,544	P.V.	528	1,572
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	1,961.47	11,810.30	2,603.94	3,356.10	6,826.62
Commercial light service	828.15	11,507.18	956.17	2,019.67	6,408.69
Commercial power service	....	8,319.94	479.81	1,253.58	3,298.18
Municipal power	....	....	....	....	438.09
Street lighting	276.00	2,265.12	735.92	960.00	2,169.47
Merchandise	....	....	....	....	....
Miscellaneous	35.12	516.66	111.40	215.00	536.64
Total earnings	3,100.74	34,419.20	4,887.24	7,804.35	19,677.69
EXPENSES					
Power purchased	2,094.45	16,761.16	3,336.85	5,183.47	12,941.26
Substation operation	....	29.50	....	....	....
Substation maintenance	....	....	....	....	....
Distribution system, operation and maintenance	20.55	1,652.36	99.55	276.66	1,544.12
Line transformer maintenance	....	85.65	....	....	....
Meter maintenance	58.23	199.64	41.25	70.14	357.41
Consumers' premises expenses	82.30	436.71	....	13.90	38.90
Street lighting, operation and maintenance	13.14	195.98	63.11	128.06	248.98
Promotion of business	82.30	179.90	20.00	36.23	132.93
Billing and collecting	140.12	1,362.03	142.12	....	739.03
General office, salaries and expenses	49.19	1,272.68	53.10	364.04	793.46
Undistributed expenses	....	88.27	....	13.80	76.46
Truck operation and maintenance	....	539.39	....	....	190.77
Interest	56.29	2,200.54	71.11	257.14	....
Sinking fund and principal payments on debentures	203.92	1,920.88	209.13	433.02	....
Depreciation	190.00	1,377.00	463.00	685.00	985.00
Other reserves	....	....	....	....	....
Total operating costs and fixed charges	2,990.49	28,301.69	4,499.22	7,461.46	18,048.32
Net surplus	110.25	6,117.51	388.02	342.89	1,629.37
Net loss	....	....	....	....	....
NUMBER OF CONSUMERS					
Domestic service	66	549	148	165	440
Commercial light service	15	142	27	65	127
Power service	....	6	2	5	11
Total	81	697	177	235	578

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1940

Drumbo P.V.	Dublin P.V.	Dundas 5,012	Dunnville 3,870	Dutton 843	East York Twp.	Elmira 2,069
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
2,403.07	1,198.32	23,697.80	14,835.93	3,323.42	209,961.99	15,039.75
960.11	783.58	13,276.96	15,923.13	2,226.36	32,147.98	8,162.84
712.93	1,406.26	28,084.17	12,816.98	3,138.27	35,898.41	5,627.29
....	....	410.02	2,567.10	....	5,342.71	957.23
533.00	550.00	5,631.00	3,629.78	1,035.69	21,755.79	2,035.00
....	....	....	....	7.71	....	....
80.14	....	499.64	1,067.68	268.69	60.49	993.14
4,689.25	3,938.16	71,599.59	50,840.60	10,000.14	305,167.37	32,815.25
3,150.73	3,088.86	48,636.84	25,881.10	7,800.09	185,094.49	20,846.90
....	....	500.79	479.18	....	675.07	....
....	....	....	....	....	....	....
260.20	76.29	3,902.58	2,845.03	313.42	6,779.54	1,370.96
....	....	227.12	166.20	2.45	267.83	6.16
39.68	2.35	1,353.91	534.65	110.80	4,566.03	500.10
....	21.04	243.47	....	....	4,597.26	321.14
95.60	131.14	562.42	625.57	259.40	1,857.17	113.63
....	....	....	19.05	....	....	341.65
245.63	....	1,231.09	863.23	476.10	14,475.99	872.69
88.00	266.99	2,288.38	1,555.61	168.95	12,393.56	621.63
1.12	8.02	744.51	187.33	25.55	981.42	263.58
....	....	1,114.28	268.83	....	....	262.65
63.37	.88	563.48	1,864.39	....	9,007.87	711.01
229.36	....	2,990.44	3,696.55	....	20,001.05	2,302.18
368.00	366.00	5,185.00	4,166.00	715.00	17,568.00	2,531.00
....	....	....	....	....	....	....
4,541.69	3,961.57	69,544.31	43,152.72	9,871.76	278,265.28	31,065.28
147.56	....	2,055.28	7,687.88	128.38	26,902.09	1,749.97
....	23.41	....	....	....	....	....
90	55	1.324	958	227	10,166	531
27	23	195	218	65	459	120
1	2	37	26	9	46	21
118	80	1,556	1,202	301	10,671	672

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality	Elora	Embro	Erieau	Erie Beach	Essex
Population	1,187	435	295	21	1,854
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	7,708.07	3,271.35	4,074.75	1,726.29	8,251.99
Commercial light service	4,478.47	1,347.26	1,446.90	378.16	7,364.34
Commercial power service	3,321.94	100.14	421.89		5,657.50
Municipal power					1,409.87
Street lighting	1,390 68	636.00	498.00		2,279.45
Merchandise					
Miscellaneous	383.98	48.25	13.00		651.52
Total earnings	17,283.14	5,403.00	6,454.54	2,104.45	25,614.67
EXPENSES					
Power purchased	10,810.71	3,323.06	3,525.98	980.01	15,333.33
Substation operation					
Substation maintenance					
Distribution system, operation and maintenance	844.78	204.73	259.82	93.20	954.28
Line transformer maintenance	23.03		41.53	23.26	55.75
Meter maintenance	135.50	49.06	117.70	61.66	238.37
Consumers' premises expenses	283.32		352.65	6.33	84.82
Street lighting, operation and maintenance	119.63	114.06	156.02		475.56
Promotion of business	65.08	60.00			67.97
Billing and collecting	776.62	283.57	509.94	199.61	1,124.66
General office, salaries and expenses	780.22	102.40	306.13	110.23	1,784.50
Undistributed expenses	177.09		27.29		205.12
Truck operation and maintenance	257.48				353.94
Interest			137.32	96.38	856.92
Sinking fund and principal payments on debentures			488.62	191.32	693.45
Depreciation	1,365.00	565.00	508.00	115.00	2,290.00
Other reserves					106.37
Total operating costs and fixed charges	15,638.46	4,701.88	6,431.00	1,877.00	24,625.04
Net surplus	1,644.68	701.12	23.54	227.45	989.63
Net loss					
NUMBER OF CONSUMERS					
Domestic service	355	119	190	87	487
Commercial light service	74	38	13	3	125
Power service	4	1	2		19
Total	433	158	205	90	631

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1940

Etobicoke Twp.	Exeter	Fergus	Fonthill	Forest	Forest Hill	Galt
	1,654	2,732	860	1,520	11,757	14,286
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
160,719.82	11,959.83	20,326.91	5,446.16	12,652.33	205,573.16	100,961.46
27,627.40	6,981.20	8,828.22	1,862.86	6,690.90	27,864.88	49,933.31
22,981.89	3,249.32	17,265.10	286.68	3,976.35	2,894.06	124,913.69
4,837.80	484.60	708.48	223.66	1,221.96	538.24	4,179.08
13,875.54	2,752.67	2,666.24	1,446.67	2,439.00	7,865.98	16,028.05
....	362.98	....	....	454.38	....	....
....	840.63	....	48.15	668.66	2,245.11	4,243.37
230,042.45	26,631.23	49,794.95	9,314.18	28,103.58	246,981.43	300,258.96
152,846.36	17,136.59	*38,742.66	4,158.89	17,698.22	166,362.65	212,000.98
....	....	....	....	....	....	5,719.41
....	....	....	....	....	3,532.78	174.65
8,083.97	617.23	1,207.15	534.11	2,016.56	6,282.17	4,165.71
915.94	20.04	235.77	....	....	108.46	641.16
837.70	389.13	431.32	9.08	303.44	1,289.74	1,606.14
7,768.88	164.51	102.63	50.16	994.18	3,880.58	4,334.94
669.21	592.02	430.71	98.86	325.26	862.16	2,386.89
....	....	10.22	....	....	....	419.13
7,358.74	855.53	1,089.91	521.84	875.66	4,724.26	3,450.33
5,340.89	1,599.38	774.10	110.82	1,151.16	6,252.58	6,772.94
2,108.31	41.36	178.03	52.58	163.60	914.62	2,444.64
1,056.17	242.25	310.99	....	351.16	844.15	457.61
6,546.29	67.57	812.42	491.44	265.29	11,926.32	3,574.35
13,092.66	1,351.48	1,494.06	1,150.48	1,110.83	12,273.87	24,285.97
15,051.00	1,892.00	1,950.00	615.00	1,799.00	11,977.00	28,216.00
....	....	....	....	....	201.43	....
221,676.12	24,969.09	47,769.97	7,793.26	27,054.36	231,432.77	300,650.85
8,366.33	1,662.14	2,024.98	1,520.92	1,049.22	15,548.66	....
....	....	....	....	....	....	391.89
4,670	478	721	258	471	3,325	3,969
287	122	120	34	127	242	502
40	13	13	3	20	23	114
4,997	613	854	295	618	3,590	4,585

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* 1940 cost adjustment deferred to subsequent year. (13th account).

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality	Georgetown	Glencoe	Goderich	Granton	Guelph
Population	2,427	726	4,484	P.V.	21,518
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	19,236.80	5,331.38	31,401.37	2,062.24	113,679.80
Commercial light service	8,926.82	4,020.08	16,972.12	1,003.53	58,552.25
Commercial power service	29,814.64	1,777.29	14,385.84	....	121,172.17
Municipal power	807.88	1,655.07	2,716.50	....	15,390.10
Street lighting	2,887.51	1,989.96	4,494.50	371.31	19,227.06
Merchandise	....	....	255.27	....	170.19
Miscellaneous	571.50	171.47	616.31	164.45	856.86
Total earnings	62,245.15	14,945.25	70,841.91	3,601.53	329,048.43
EXPENSES					
Power purchased	45,987.82	8,566.91	45,812.86	2,517.79	254,043.07
Substation operation	....	....	....	....	3,531.31
Substation maintenance	....	....	1,851.72	....	....
Distribution system, operation and maintenance	1,679.58	870.69	2,687.32	44.33	4,676.44
Line transformer maintenance	298.01	....	71.21	....	595.27
Meter maintenance	428.09	172.90	851.02	....	4,334.38
Consumers' premises expenses	426.79	....	523.93	49.27	1,252.83
Street lighting, operation and maintenance	287.28	195.00	849.51	25.03	5,201.53
Promotion of business	....	115.05	....	....	703.12
Billing and collecting	1,722.08	623.39	1,668.87	291.34	6,170.03
General office, salaries and expenses	805.42	460.10	1,654.74	70.01	10,680.32
Undistributed expenses	105.33	87.91	140.31	....	1,071.72
Truck operation and maintenance	334.82	....	209.82	....	....
Interest	302.08	78.71	1,779.06	75.07	....
Sinking fund and principal payments on debentures	1,150.90	1,427.70	3,160.26	179.20	....
Depreciation	2,384.00	1,264.00	6,913.00	300.00	20,125.00
Other reserves	....	....	....	....	....
Total operating costs and fixed charges	55,912.20	13,862.36	68,173.63	3,552.04	312,385.02
Net surplus	6,332.95	1,082.89	2,668.28	49.49	16,663.41
Net loss	....	....	....	....	....
NUMBER OF CONSUMERS					
Domestic service	764	220	1,271	89	5,437
Commercial light service	132	81	256	31	798
Power service	27	9	20	....	139
Total	923	310	1,547	120	6,374

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1940

Hagersville	Hamilton	Harriston	Harrow	Hensall	Hespeler	Highgate
1,369	154,690	1,326	1,055	696	2,895	324
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
6,305.62	871,740.09	7,164.86	9,686.22	4,659.00	15,971.78	1,680.85
5,954.04	491,920.80	5,265.27	5,414.04	2,391.61	5,322.55	954.51
16,688.17	2,061,789.60	5,541.12	3,190.34	2,874.16	53,101.51	1,090.99
....	71,829.73	376.53	....	33.40	907.57	29.93
2,090.00	124,195.48	1,606.50	1,438.75	1,008.00	3,264.33	567.00
....	....	....	147.99	....	....	....
967.17	68,434.81	165.88	26.52	339.19	1,318.14	114.53
32,005.00	3,689,910.51	20,120.16	19,903.86	11,305.36	79,885.88	4,437.81
25,956.72	2,681,778.24	13,013.36	15,472.82	7,053.67	62,051.40	2,978.79
436.72	68,929.02	....	....	....	345.55	....
....	5,893.95	....	....	....	....	....
2,214.00	33,900.03	1,439.50	283.69	616.37	3,455.96	21.27
45.25	9,787.91	15.19	41.77	....	78.85	4.86
385.45	27,583.80	210.13	340.27	....	280.65	28.64
20.23	35,958.49	183.47	534.54	27.92	929.70	....
315.31	15,178.53	278.71	327.19	152.58	495.59	68.65
69.00	26,369.06	26.60	22.00	....	106.02	....
739.12	63,059.83	707.74	734.05	248.00	1,144.86	307.98
647.34	53,279.43	396.48	533.91	288.04	1,384.01	149.50
44.13	30,950.03	38.31	42.59	28.86	565.12	6.24
422.20	....	107.11	....	....	348.59	....
69.85	118,130.14	294.25	104.18	215.00	1,141.21	....
321.11	294,852.81	725.66	781.78	473.05	2,591.06	....
1,376.00	151,745.84	1,280.00	1,089.00	847.00	3,278.00	463 00
....	....	....	....	....	....	....
33,062.43	3,617,397.11	18,716.51	20,307.79	9,950.49	78,196.57	4,028.93
....	72,513.40	1,403.65	....	1,354.87	1,689.31	408.88
1,057.43	....	....	403.93	....	....	....
388	39,915	378	308	212	783	102
112	5,183	102	82	60	105	38
14	1,270	14	7	14	29	6
514	46,368	494	397	286	917	146

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Humberstone	Ingersoll	Jarvis	Kingsville	Kitchener
Population	2,784	5,302	536	2,360	33,080
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	10,643.05	31,456.54	2,798.43	14,862.56	214,576.95
Commercial light service	3,875.61	17,522.98	1,992.32	9,029.76	132,974.17
Commercial power service	4,781.78	32,052.08	3,255.67	3,746.13	310,456.96
Municipal power	....	1,356.60	....	1,205.81	19,540.60
Street lighting	1,642.56	4,841.52	858.00	2,880.96	31,836.14
Merchandise	....	....	....	....	....
Miscellaneous	583.18	1,137.07	159.53	1,325.04	210.00
Total earnings	21,526.18	88,366.79	9,063.95	33,050.26	709,594.82
EXPENSES					
Power purchased	12,484.99	65,279.61	6,210.88	20,094.89	536,609.23
Substation operation	....	400.33	....	....	10,469.84
Substation maintenance	....	....	....	....	1,872.75
Distribution system, operation and maintenance	1,190.92	3,080.57	35.22	1,658.48	11,893.73
Line transformer maintenance	43.75	251.80	....	81.30	1,524.26
Meter maintenance	511.00	1,093.19	....	495.62	3,721.42
Consumers' premises expenses	....	830.39	....	166.68	9,807.77
Street lighting, operation and maintenance	120.70	1,120.54	22.91	378.26	6,751.13
Promotion of business	....	901.96	....	140.00	6,661.65
Billing and collecting	792.79	1,247.82	528.90	1,860.44	13,191.35
General office, salaries and expenses	315.19	3,850.11	73.04	1,271.65	10,586.34
Undistributed expenses	14.06	576.20	7.57	403.23	3,220.40
Truck operation and maintenance	212.21	466.69	....	412.12	....
Interest	594.00	700.00	169.39	1,418.21	6,075.05
Sinking fund and principal payments on debentures	1,900.00	....	709.25	1,015.51	18,477.58
Depreciation	1,260.00	4,615.00	530.00	2,362.00	42,569.00
Other reserves	....	....	....	....	....
Total operating costs and fixed charges	19,439.61	84,414.21	8,287.16	31,758.39	683,431.50
Net surplus	2,086.57	3,952.58	776.79	1,291.87	26,163.32
Net loss	....	....	....	....	....
NUMBER OF CONSUMERS					
Domestic service	682	1,462	151	624	8,046
Commercial light service	78	237	41	156	1,090
Power service	9	45	3	19	257
Total	769	1,744	195	799	9,393

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1940

Lambeth P.V.	La Salle 873	Leamington 5,811	Listowel 2,892	London 74,000	London Twp.	Long Branch 4,200
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
3,179.61	6,764.18	27,185.89	16,812.28	553,151.45	13,238.89	29,563.74
1,290.50	1,491.42	19,169.70	12,648.95	227,822.07	2,028.56	6,796.79
....	270.24	16,808.15	14,328.57	367,095.01	1,608.87	1,443.82
440.09	....	2,856.76	1,027.93	75,504.87	....	1,052.86
752.46	804.00	5,418.12	4,465.39	56,307.59	1,245.70	4,564.44
....	....	....	....	12,166.22	....	....
56.67	70.11	1,012.12	655.27	23,879.54	266.86	....
5,719.33	9 399.95	72,450.74	49,938.39	1,315,926.75	18,388.88	43,421.65
3,798.63	6,537.30	50,709.01	35,735.94	883,094.28	13,656.91	23,380.92
....	....	....	....	17,274.77	....	....
....	....	....	124.10	18,466.36	....	....
350.72	360.76	2,109.52	2,144.14	20,930.40	461.61	2,568.94
....	56.08	27.00	537.65	2,928.91	6.00	90.65
16.80	94.22	776.60	552.16	18,290.89	30.89	319.60
78.90	175.97	567.38	275.70	60,447.12	756.37	660.37
31.14	76.93	967.84	753.40	12,552.83	219.34	356.44
....	89.04	79.70	55.89	24,266.14	....	....
323.00	475.66	1,819.98	983.34	26,772.62	818.47	2,477.57
55.65	234.70	3,344.03	902.97	34,793.77	480.55	2,232.40
....	64.03	771.90	105.37	17,892.59	4.46	694.23
....	98.78	525.54	347.24	1,322.26	....	....
....	398.71	....	44.42	27,071.67	267.60	488.98
....	952.65	....	740.24	48,903.36	737.92	2,023.18
479.00	1,116.00	4,558.00	3,549.00	120,518.87	1,099.00	2,813.00
....	....	66.02	....	3,806.44	....	....
5,133.84	10,730.83	66,322.52	46,851.56	1,339,333.28	18,539.12	38,106.28
585.49	....	6,128.22	3,086.83	....	....	5,315.37
....	1,330.88	....	....	23,406.53	150.24	....
133	221	1,570	770	18,285	446	1,388
24	15	265	162	2,163	22	98
2	2	34	23	462	5	5
159	238	1,869	955	20,910	473	1,491

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—**Continued**

Municipality	Lucan	Lynden	Markham	Merlin	Merritton
Population	599	P.V.	1,170	P.V.	2,656
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	4,446.62	2,264.97	7,563.03	2,457.68	13,960.91
Commercial light service	2,359.95	884.22	3,341.61	2,253.33	3,263.26
Commercial power service	2,058.25	753.17	2,796.37	703.11	140,497.00
Municipal power	....	....	371.15	....	1,997.81
Street lighting	1,518.96	440.00	1,309.00	738.67	3,354.00
Merchandise	....	....	....	....	....
Miscellaneous	98.90	23.20	375.19	511.64	310.34
Total earnings	10,482.68	4,365.56	15,756.35	6,664.43	163,383.32
EXPENSES					
Power purchased	5,485.03	3,042.40	10,244.06	3,287.35	126,658.77
Substation operation	....	....	....	....	630.44
Substation maintenance	....	....	....	....	....
Distribution system, operation and maintenance	216.75	93.47	844.41	138.64	2,002.39
Line transformer maintenance	....	....	1.20	2.82	18.50
Meter maintenance	15.55	90.61	92.44	63.20	451.46
Consumers' premises expenses	206.38	....	122.07	35.71	6.32
Street lighting, operation and maintenance	130.86	12.06	150.00	128.09	514.78
Promotion of business	....	142.75	100.00	....	....
Billing and collecting	524.52	....	877.80	251.94	1,605.71
General office, salaries and expenses	395.63	212.40	87.93	218.94	1,876.85
Undistributed expenses	46.89	29.25	36.55	1.55	778.73
Truck operation and maintenance	....	....	162.58	....	172.47
Interest	125.19	84.98	....	166.84	467.75
Sinking fund and principal payments on debentures	364.07	224.30	....	1,010.16	2,187.36
Depreciation	780.00	361.00	989.00	467.00	3,609.00
Other reserves	....	....	....	....	2,500.00
Total operating costs and fixed charges	8,290.87	4,293.22	13,708.04	5,772.24	143,480.53
Net surplus	2,191.81	72.34	2,048.31	892.19	19,902.79
Net loss	....	....	....	....	....
NUMBER OF CONSUMERS					
Domestic service	185	95	323	122	773
Commercial light service	54	20	74	48	66
Power service	7	2	9	2	15
Total	246	117	406	172	854

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1940

Milton 1,903	Milverton 997	Mimico 7,112	Mitchell 1,666	Moorefield P.V.	Mount Brydges P.V.	Newbury 275
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
13,099.01	5,108.09	57,116.46	12,652.67	1,010.20	2,657.62	1,310.77
7,047.07	4,073.78	11,475.08	5,980.99	1,210.63	1,237.08	667.73
22,674.07	3,014.13	4,401.82	4,384.79	38.06	866.63	324.68
....	516.39	6,805.97	836.75	....	....	....
1,953.32	1,035.00	8,226.32	2,552.00	325.00	844.00	720.00
....	....	....	477.39	....	....	....
1,377.14	136.54	1,286.91	296.54	10.19	208.50	....
46,150.61	13,883.93	89,312.56	27,181.13	2,594.08	5,813.83	3,023.18
31,152.32	9,841.92	54,818.11	17,376.61	1,787.69	3,490.94	1,312.65
....	....	....	....	....	....	....
423.13	....	433.43	21.08	....	....	....
2,789.33	556.49	6,411.83	970.22	76.28	88.88	266.09
....	....	131.37	49.46	....	....	....
253.15	311.37	1,748.13	249.36	13.70	1.35	18.90
510.79	118.51	1,368.41	466.23	....	63.28	....
222.66	121.17	1,029.80	394.87	42.32	50.25	53.06
....	....	....	....	....	....	....
757.33	696.42	2,557.60	911.11	....	243.06	52.20
960.69	444.83	1,732.78	1,287.60	128.18	128.22	85.62
139.61	20.67	312.97	421.39	....	5.00	10.73
523.75	....	324.19	595.58	....	....	....
241.18	....	2,681.37	....	....	68.25	53.59
1,018.11	....	6,776.00	....	....	222.17	600.00
2,542.00	830.00	6,848.00	3,631.00	245.00	430.00	385.00
....	....	....	....	....	....	....
41,534.05	12,941.38	87,173.99	26,374.51	2,293.17	4,791.40	2,837.84
4,616.56	942.55	2,138.57	806.62	300.91	1,022.43	185.34
....	....	....	....	....	....	....
525	246	1,973	502	57	146	63
113	75	153	127	30	42	14
15	10	18	23	1	4	1
653	331	2,144	652	88	192	78

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality Population	New Hamburg 1,446	New Toronto 7,175	Niagara Falls 18,770	Niagara-on the-Lake 1,764	North York Twp.
EARNINGS	$ c.	$ c.	$ c.	$ c	$ c.
Domestic service	10,133.58	38,493.94	127,857.13	14,676.17	183,853.06
Commercial light service	4,750.13	18,280.46	67,203.75	5,560.13	29,848.22
Commercial power service	5,702.18	186,715.06	72,333.32	561.02	38,256.89
Municipal power		12,224.98	13,213.98	1,247.39	7,128.89
Street lighting	2,217.00	7,493.25	27,485.43	3,630.65	4,128.67
Merchandise	38.71			644.07	
Miscellaneous	296.15	860.41	2,420.88	255.13	1,618.96
Total earnings	23,137.75	264,068.10	310,514.49	26,574.56	264,834.69
EXPENSES					
Power purchased	14,988.15	215,291.53	170,788.61	13,189.46	140,308.10
Substation operation	208.62		9,759.69	325.46	
Substation maintenance					
Distribution system, operation and maintenance	960.57	5,879.08	8,281.35	1,526.05	12,874.36
Line transformer maintenance	99.07	240.81	1,451.66		176.54
Meter maintenance	264.08	1,301.09	5,833.26		2,262.33
Consumers' premises expenses	158.89	75.71	652.70	20.90	2,438.76
Street lighting, operation and maintenance	312.52	807.18	2,453.16	725.48	999.58
Promotion of business					
Billing and collecting	767.85	2,835.95	6,545.30	1,639.94	6,804.72
General office, salaries and expenses	1,128.31	6,681.67	9,605.94	1,364.31	6,152.25
Undistributed expenses	279.81	411.45	7,115.02	94.70	2,029.68
Truck operation and maintenance	307.89	732.15	1,906.27	529.13	4,305.63
Interest	117.97	92.27	9,190.89	801.44	14,886.56
Sinking fund and principal payments on debentures	1,115.24	428.15	34,337.65	1,394.13	22,975.96
Depreciation	1,642.00	7,033.00	29,153.00	2,256.00	17,858.00
Other reserves			500.00		
Total operating costs and fixed charges	22,350.97	241,810.04	297,574.50	23,867.00	234,072.47
Net surplus	786.78	22,258.06	12,939.99	2,707.56	30,762.22
Net loss					
NUMBER OF CONSUMERS					
Domestic service	372	1,856	4,696	539	5,465
Commercial light service	94	220	716	95	333
Power service	14	33	91	8	42
Total	480	2,109	5,503	642	5,840

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1940

Norwich	Oil Springs	Otterville	Palmerston	Paris	Parkhill	Petrolia
1,302	515	P.V.	1,393	4,409	1,022	2,772
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
8,804.15	1,803.41	2,443.39	10,298.89	24,135.45	5,871.26	12,700.03
4,681.08	1,583.14	2,466.30	5,692.19	8,779.83	3,516.85	8,441.33
2,079.23	6,302.84	491.91	5,216.62	17,663.94	1,037.81	25,428.57
....	....	....	1,270.19	1,150.10	643.03	....
2,100.00	768.00	867.43	2,648.66	5,595.00	1,577.04	2,820.00
58.94	....	....	16.68	....	....	119.37
177.03	407.15	47.98	1.62	1,538.11	119.60	575.57
17,900.43	10,864.54	6,317.01	25,144.85	58,862.43	12,765.59	50,084.87
11,432.58	7,238.02	3,977.87	17,225.70	39,864.67	8,189.55	29,954.12
....	....	....	246.80	919.98	....	....
....	....	....	91.04	....	....	....
1,552.05	509.42	232.35	392.99	4,944.80	491.10	4,426.55
....	....	....	132.30	153.84	....	204.25
204.02	31.00	271.59	357.32	1,175.56	109.19	833.53
298.78	6.70	....	572.18	691.88	188.58	486.70
268.51	63.40	68.98	376.58	1,192.68	89.62	188.24
177.00	20.43	....	2.40	240.00	....	392.58
574.20	437.34	451.36	706.54	1,343.86	351.85	1,291.22
754.77	177.85	227.46	576.50	1,078.09	140.46	2,014.36
114.88	10.10	6.48	57.20	319.67	19.35	198.58
312.75	....	....	328.01	349.30	....	693.93
99.36	....	....	80.75	241.99	62.09	667.67
795.48	....	....	375.67	1,013.21	356.40	1,746.53
1,056.00	952.00	580.00	1,565.00	6,102.00	932.00	3,739.00
....	....	....	....	61.12	....	....
17,640.38	9,446.26	5,816.09	23,086.98	59,692.65	10,930.19	46,837.26
260.05	1,418.28	500.92	2,057.87	....	1,835.40	3,247.61
....	....	....	....	830.22	....	....
382	96	134	392	1,168	298	796
93	33	47	103	192	77	186
8	36	3	12	24	5	64
483	165	184	507	1,384	380	1,046

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality Population	Plattsville P.V.	Point Edward 1,175	Port Colborne 6,483	Port Credit 1,906	Port Dalhousie 1,595
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	2,588.25	6,102.10	31,275.04	16,373.28	16,360.83
Commercial light service	1,162.72	2,241.95	18,782.24	7,105.97	3,648.55
Commercial power service	1,314.23	36,784.59	17,074.30	3,148.09	5,839.21
Municipal power	....	....	6,745.36	1,004.12	....
Street lighting	408.00	1,751.80	8,688.54	2,802.88	1,578.00
Merchandise	....	146.96	1,541.00	....	....
Miscellaneous	59.50	542.04	860.71	493.81	747.06
Total earnings	5,532.70	47,569.44	84,967.19	30,928.15	28,173.65
EXPENSES					
Power purchased	3,525.60	40,773.29	46,425.87	20,074.60	18,746.84
Substation operation	....	....	....	....	....
Substation maintenance	....	....	....	....	....
Distribution system, operation and maintenance	126.22	143.65	4,028.02	1,194.70	2,383.17
Line transformer maintenance	....	5.26	122.20	62.66	44.60
Meter maintenance	1.25	442.73	1,608.69	307.43	534.84
Consumers' premises expenses	....	13.42	409.38	1,058.33	509.81
Street lighting, operation and maintenance	19.70	231.93	3,194.89	459.96	345.35
Promotion of business	....	30.00	....	....	....
Billing and collecting	256.13	851.98	2,107.85	1,085.45	1,059.02
General office, salaries and expenses	29.86	491.75	3,188.46	199.94	1,145.09
Undistributed expenses	6.29	73.45	235.84	55.22	81.31
Truck operation and maintenance	....	....	685.69	....	488.93
Interest	73.76	230.27	2,326.26	362.32	378.52
Sinking fund and principal payment on debentures	266.91	651.49	6,431.13	752.94	533.99
Depreciation	353.00	1,355.00	5,718.00	2,005.50	1,243.00
Other reserves	....	....	....	168.82	200.00
Total operating costs and fixed charges	4,658.72	45,294.22	76,482.28	27,787.87	27,694.47
Net surplus	873.98	2,275.22	8,484.91	3,140.28	479.18
Net loss	....	....	....	....	....
NUMBER OF CONSUMERS					
Domestic service	114	321	1,541	555	596
Commercial light service	24	43	255	89	57
Power service	1	10	23	9	14
Total	139	374	1,819	653	667

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1940

Port Dover 1,864	Port Rowan 706	Port Stanley *824	Preston 6.292	Princeton P.V.	Queenston P.V.	Richmond Hill 1,317
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
9,344.63	3,023.62	13,990.99	33,093.89	2,409.23	3,583.48	9,279.88
4,987.52	2,165.49	4,606.46	20,868.24	1,025.79	1,661.77	4,542.72
4,310.49	103.73	3,507.54	48,332.91	1,691.11	....	1,884.78
....	....	831.91	1,120.54	....	....	383.44
2,739.02	818.66	2,502.60	5,517.45	468.00	384.00	1,494.09
....	....	....	....	....	....	....
121.14	87.55	408.64	537.64	152.92	32.00	....
21,502.80	6,199.05	25,848.14	109,470.67	5,747.05	5,661.25	17,584.91
12,880.53	3,328.61	15,529.92	75,458.58	4,606.21	2,957.21	12,222.06
....	....	....	4,652.30	....	....	....
....	....	....	31.78	....	....	....
2,098.44	85.26	2,065.43	2,841.46	77.18	113.13	884.24
118.75	8.70	12.20	292.61	....	32.90	8.72
593.49	....	417.10	848.26	10.10	8.25	131.63
12.74	....	257.05	26.72	....	80.43	404.45
429.68	108.07	277.51	420.00	50.00	38.64	200.95
10.00	....	....	....	....	....	....
420.76	184.18	809.60	1,822.21	214.96	206.28	756.42
1,323.66	38.20	810.52	2,275.52	62.32	211.16	283.13
218.32	8.31	83.77	853.66	....	9.82	....
282.46	....	432.35	454.22	....	....	....
103.80	357.32	80.67	1,202.18	50.00	148.95	46.44
1,727.24	601.71	1,155.77	4,417.65	180.93	649.69	432.02
1,788.00	462.00	1,683.00	10,189.00	313.00	443.00	692.00
....	....	....	....	....	....	....
22,007.87	5,182.36	23,614.89	105,786.15	5,564.70	4,899.46	16,062.06
....	1,016.69	2,233.25	3,684.52	182.35	761.79	1,522.85
505.07	....	....	....	....	....	....
660	147	738	1,557	91	80	380
119	40	101	232	20	13	69
15	3	9	44	3	....	13
794	190	848	1,833	114	93	462

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* Summer population 4,500.

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Ridgetown	Riverside	Rockwood	Rodney	St. Catharines
Population	1,981	5,086	P.V.	763	27,756
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c
Domestic service	9,057.22	37,786.48	4,063.67	3,447.35	148,233.19
Commercial light service	7,786.34	5,104.98	861.52	2,563.56	88,300.40
Commercial power service	3,659.25	2,822.96	291.13	1,718.12	213,948.34
Municipal power	799.24	3,433.26	....	....	....
Street lighting	3,501.29	3,746.79	799.50	1,273.33	26,589.59
Merchandise	191.03	....	....	....	....
Miscellaneous	389.45	1,714.50	71.10	3.78	3,335.23
Total earnings	25,383.82	54,608.97	6,086.92	9,006.14	480,406.75
EXPENSES					
Power purchased	17,394.89	29,136.02	3,515.46	6,369.36	347,024.68
Substation operation	....	....	....	....	6,224.67
Substation maintenance	....	....	....	....	....
Distribution system, operation and maintenance	875.81	2,292.45	308.59	300.58	15,843.03
Line transformer maintenance	23.16	154.83	....	....	914.02
Meter maintenance	443.52	612.43	15.70	176.24	6,475.97
Consumers' premises expenses	405.52	842.40	15.00	....	1,993.93
Street lighting, operation and maintenance	673.44	544.46	77.55	240.28	3,139.00
Promotion of business	....	366.20	....	....	392.76
Billing and collecting	1,121.16	2,107.40	....	322.02	12,667.83
General office, salaries and expenses	872.48	2,597.98	614.48	437.74	13,122.71
Undistributed expenses	75.45	459.66	3.51	29.02	848.09
Truck operation and maintenance	....	728.58	....	....	1,483.83
Interest	239.74	1,210.38	88.90	....	7,767.30
Sinking fund and principal payments on debentures	537.79	5,653.99	111.71	....	5,568.29
Depreciation	1,748.00	4,705.00	558.00	570.00	23,591.00
Other reserves	....	....	....	....	1,000.00
Total operating costs and fixed charges	24,410.96	51,411.78	5,308.90	8,445.24	448,057.11
Net surplus	972.86	3,197.19	778.02	560.90	32,349.64
Net loss	....	....	....	....	....
NUMBER OF CONSUMERS					
Domestic service	578	1,370	170	248	7,377
Commercial light service	141	58	27	79	1,033
Power service	19	9	2	5	211
Total	738	1,437	199	332	8,621

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1940

St. Clair Beach *133	St. George P.V.	St. Jacobs P.V.	St. Marys 4,018	St. Thomas 16,362	Sarnia 18,218	Scarboro Twp.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
2,243.85	3,214.29	3,909.36	26,970.87	126,579.82	95,810.53	117,936.04
2,468.91	1,504.63	1,702.65	10,956.64	58,272.36	53,588.33	26,394.57
252.94	2,247.09	3,675.49	19,769.26	57,040.96	164,410.82	13,918.35
....	....	....	3,510.33	5,531.19	4,407.66	13,669.42
....	523.00	430.00	4,895.75	14,927.54	20,298.73	15,432.08
....	....	....	....	....	3,534.06	....
132.00	131.45	192.24	533.47	4,049.30	10,113.60	....
5,097.70	7,620.46	9,909.74	66,636.32	266,401.17	352,163.73	187,350.46
3,390.22	4,824.19	6,765.21	42,012.46	†182,507.05	247,259.35	95,214.69
....	....	....	1,696.22	8,098.21	10,889.18	....
....	....	....	558.56	1,234.44	783.18	....
236.21	118.81	65.14	2,486.06	7,425.46	7,407.35	7,686.88
40.69	....	....	232.88	628.26	628.99	1,060.47
44.91	....	59.66	1,427.71	3,447.07	4,636.26	2,931.83
77.88	....	15.45	1,383.53	9,419.96	2,799.45	2,253.88
....	134.83	39.90	1,006.21	3,174.66	5,955.52	1,903.07
....	....	....	125.33	3,395.85	4,062.93	....
258.89	498.46	387.35	1,183.97	5,385.56	8,485.67	6,119.56
94.63	84.22	196.40	1,921.63	9,434.33	11,908.42	4,834.20
....	13.59	8.54	412.26	14,697.05	5,875.67	1,533.68
....	....	....	498.13	....	1,924.17	1,811.34
77.65	97.47	....	1,519.09	79.31	1,417.81	4,962.15
535.90	315.36	....	3,139.18	....	13,089.07	18,038.69
418.00	417.00	428.00	5,929.00	17,086.00	22,108.00	14,880.00
....	....	....	200.00	....	....	....
5,174.98	6,503.93	7,965.65	65,732.22	266,013.21	349,231.02	163 230.44
....	1,116.53	1,944.09	904.10	387.96	2,932.71	24,120.02
77.28	....	....	....	....	....	....
77	150	135	1,032	4,444	4,803	5,195
7	33	31	182	615	640	364
1	1	7	39	83	81	36
85	184	173	1,253	5,142	5,524	5,595

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*Summer population 400. †1940 Cost adjustment deferred to subsequent year. (13th account).

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Seaforth	Simcoe	Springfield	Stamford Twp.	Stouffville
Population	1,771	6,263	395		1,192
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	10,669.03	26,868.47	1,823.81	59,992.02	7,048.10
Commercial light service	6,463.16	32,628.22	829.71	12,035.72	3,727.54
Commercial power service	3,723.65	28,451.92	793.11	14,186.41	942.38
Municipal power	635.96	1,697.84	....	1,066.11	....
Street lighting	2,039.00	5,133.31	611.50	8,151.38	1,397.00
Merchandise	....	....	....	1,921.91	....
Miscellaneous	37.45	2,070.32	80.12	1,140.50	413.36
Total earnings	23,568.25	97,850.08	4,138.25	98,494.05	13,528.38
EXPENSES					
Power purchased	15,742.06	64,069.61	2,188.60	40,374.89	8,872.68
Substation operation	....	965.89	....	1,461.72	....
Substation maintenance	43.59	....	....	....	....
Distribution system, operation and maintenance	1,233.48	4,307.87	182.56	6,329.57	582.28
Line transformer maintenance	225.48	415.73	3.60	34.03	....
Meter maintenance	478.57	2,309.17	76.47	2,127.56	152.20
Consumers' premises expenses	496.30	367.02	....	2,533.56	123.69
Street lighting, operation and maintenance	268.99	488.41	73.79	1,109.43	202.25
Promotion of business	159.23	510.14	....	477.79	....
Billing and collecting	1,057.87	2,179.77	446.16	2,360.31	561.09
General office, salaries and expenses	1,008.46	2,726.45	58.61	5,312.04	248.53
Undistributed expenses	198.42	199.19	6.28	387.03	....
Truck operation and maintenance	432.44	1,228.10	....	1,545.71	....
Interest	....	1,743.52	131.21	4,943.09	....
Sinking fund and principal payments on debentures	....	4,218.39	245.37	12,742.08	....
Depreciation	2,229.00	4,986.00	405.00	8,029.00	699.00
Other reserves	....	....	....	....	36.38
Total operating costs and fixed charges	23,573.89	90,715.26	3,817.65	89,767.81	11,478.10
Net surplus	....	6,134.82	320.60	8,726.24	2,050.28
Net loss	5.64	....	....	....	....
NUMBER OF CONSUMERS					
Domestic service	508	1,584	107	1,962	388
Commercial light service	130	377	34	161	90
Power service	15	43	3	18	5
Total	653	2,004	144	2,141	483

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1940

Stratford 17,159	Strathroy 2,806	Streetsville 697	Sutton 853	Swansea 6,375	Tavistock 1,080	Tecumseh 2,237	Thamesford P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
134,475.31	20,978.75	4,675.71	8,699.02	76,173.70	7,911.45	13,613.63	3,263.47
58,569.30	12,957.49	1,834.77	4,051.20	10,243.53	3,806.92	5,248.38	1,724.39
55,049.95	9,149.81	3,256.61	1,037.93	16,241.93	8,794.19	2,595.05	1,696.93
9,133.56	1,756.22	....	....	2,550.46	371.00	....	....
17,019.71	4,095.96	1,298.50	2,094.46	3,877.69	1,317.60	1,355.00	519.75
802.04	....	....	....	....	....	....	....
9,475.54	1,792.94	603.53	10.14	860.13	236.36	251.87	350.95
284,525.41	50,731.17	11,669.12	15,892.75	109,947.44	22,437.52	23,063.93	7,555.48
183,654.87	35,861.60	4,269.49	9,043.77	74,194.51	17,328.07	11,649.78	6,411.87
4,756.65	637.01	1,025.05	....	....	....	....	....
3,407.36	....	....	....	....	....	....	....
7,497.15	1,155.31	866.44	328.73	1,477.78	685.39	1,108.63	389.71
335.72	108.02	32.59	....	76.57	....	52.40	....
2,383.12	738.57	136.23	97.40	681.53	324.54	723.85	8.28
6,603.02	1,126.75	270.28	100.55	2,189.30	276.26	148.33	77.51
4,347.02	772.85	128.59	143.23	367.70	164.79	264.37	83.08
1,518.09	584.35	....	....	6.10	....	....	64.00
6,484.77	951.49	684.56	540.25	3,226.33	583.75	841.19	231.24
8,954.84	2,381.72	258.20	260.21	2,724.85	401.97	1,339.78	124.06
3,146.85	470.27	44.34	29.26	270.75	16.90	54.27	....
1,840.78	861.89	....	267.29	795.43	....	429.86	....
13,950.00	1,248.85	583.02	357.82	3,193.47	112.93	286.43	38.77
6,824.05	2,076.13	540.37	1,958.87	3,151.55	277.38	2,060.33	161.72
25,292.00	4,130.00	919.00	1,139.00	5,115.00	1,172.00	1,828.00	530.00
300.00	....	25.00	....	....	....	....	....
281,296.29	53,104.81	9,783.16	14,266.38	97,470.87	21,343.98	20,787.22	8,120.24
3,229.12	....	1,885.96	1,626.37	12,476.57	1,093.54	2,276.71	....
....	2,373.64	....	....	....	....	....	564.76
4,371	831	184	447	1,932	296	600	136
597	180	48	80	97	96	56	40
118	30	6	3	15	9	3	7
5,086	1,041	238	530	2,044	401	659	183

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Thamesville	Thedford	Thorndale	Thorold	Tilbury
Population	826	648	P.V.	5,038	1,989
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	3,794.56	3,070.89	1,743.23	19,955.64	6,900.43
Commercial light service	3,215.84	2,525.15	819.61	8,171.15	8,879.75
Commercial power service	1,617.80	925.05	1,112.39	41,441.56	10,116.52
Municipal power	207.92			1,908.75	225.00
Street lighting	1,329.68	1,065.00	384.00	3,518.40	1,856.14
Merchandise					73
Miscellaneous	278.53	190.00	27.36	1,382.35	592.66
Total earnings	10,444.33	7,776.09	4,086.59	76,377.85	28,571.23
EXPENSES					
Power purchased	6,764.91	4,028.26	2,354.02	52,230.33	20,029.91
Substation operation				3,067.93	
Substation maintenance					
Distribution system, operation and maintenance	444.78	119.17	369.05	1,953.53	1,168.49
Line transformer maintenance	18.50		15.00	120.12	43.46
Meter maintenance	91.87	32.80	108.94	428.03	401.46
Consumers premises expenses	10.75		58.19	189.75	74.45
Street lighting, operation and maintenance	264.10	86.65	39.32	724.30	172.58
Promotion of business	26.70				
Billing and collecting	331.43	236.82	83.88	1,682.07	637.97
General office, salaries and expenses	193.24	90.75	51.31	1,260.61	765.70
Undistributed expenses	26.50	1.87		115.34	161.48
Truck operation and maintenance				421.21	109.52
Interest		198.40	40.12		183.61
Sinking fund and principal payments on debentures		1,280.31	122.51		542.88
Depreciation	895.00	514.00	326.00	3,546.00	1,420.00
Other reserves					
Total operating costs and fixed charges	9,067.78	6,589.03	3,568.34	65,739.22	25,711.51
Net surplus	1,376.55	1,187.06	518.25	10,638.63	2,859.72
Net loss					
NUMBER OF CONSUMERS					
Domestic service	246	153	75	1,201	464
Commercial light service	77	49	23	163	132
Power service	7	3	2	16	12
Total	330	205	100	1,380	608

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1940

Tillsonburg 4,376	Toronto 649,123	Toronto Twp.	Trafalgar Twp. Area No. 1	Trafalgar Twp. Area No. 2	Wallaceburg 4,783	Wardsville 233
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
19,533.65	4,589,230.39	71,104.62	15,261.10	4,385.54	20,406.25	1,433.81
18,708.95	3,167,159.03	21,698.56	706.94	827.89	14,566.67	1,043.21
11,728.33	4,239,972.17	8,644.91	612.46	89.62	57,956.88	45.63
1,611.23	1,180,162.88	....	....	....	1,532.47	....
5,124.87	495,181.60	5,107.08	‡2,601.68	....	4,802.04	720.00
802.95	....	....	....	....	2,625.29	....
144.05	280,262.32	2,578.50	404.06	467.76	929.11	50.00
57,654.03	13,951,968.39	109,133.67	19,586.24	5,770.81	102,818.71	3,292.65
35,627.42	*7,470,934.08	66,797.74	11,309.15	3,538.99	71,184.69	1,598.27
941.55	198,305.70	....	....	....	352.64	....
....	253,277.79	....	....	....	....	....
2,172.00	321,233.79	5,409.75	2,274.93	213.29	3,450.76	92.63
208.28	43,230.70	410.30	....	....	388.48	....
945.00	108,735.49	719.24	50.10	8.05	1,040.45	....
12.83	238,224.60	1,767.83	....	....	14.99	....
648.34	108,596.17	713.20	....	....	927.38	31.17
155.90	154,657.39	....	....	....	213.50	....
1,872.27	424,914.61	4,506.52	....	....	2,006.29	123.85
3,537.00	329,795.64	5,701.51	1,524.05	543.47	3,654.77	72.41
325.75	†339,561.18	325.48	75.20	10.26	872.21	13.82
600.34	....	2,023.78	586.97	....	897.64	....
145.92	986,384.43	1,573.69	322.64	521.20	1,410.07	61.22
1,405.45	1,358,057.70	6,359.65	1,350.95	734.83	4,067.57	620.76
4,007.00	1,073,105.38	11,662.00	1,501.00	451.00	5,945.00	305.00
....	....	431.32	....	....	....	....
52,605.05	13,409,014.65	108,402.01	18,994.99	6,021.09	96,426.44	2,919.13
5,048.98	542,953.74	731.66	591.25	....	6,392.27	373.52
....	....	....	....	250.28	....	....
1,191	168,360	2,441	374	126	1,165	59
255	25,365	175	4	18	251	24
33	5,135	39	9	1	39	1
1,479	198,860	2,655	387	145	1,455	84

*Includes 1939 adjustment, 1940 deferred. †Includes $140,406.45 provision for possible York Twp. profit. ‡Highway lighting.

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued					
Municipality	Water-down	Waterford	Waterloo	Watford	Welland
Population	892	1,284	8,623	970	11,205
Earnings	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	4,914.86	6,271.99	64,592.59	7,471.47	58,882.73
Commercial light service	1,639.98	3,031.33	26,632.36	3,249.04	36,785.60
Commercial power service	1,296.01	5,561.62	36,403.38	3,690.71	152,959.32
Municipal power	95.61	254.61	3,698.03	307.08	1,560.40
Street lighting	1,092.50	1,488.00	7,849.96	1,620.96	11,514.59
Merchandise			303.40	36.04	
Miscellaneous	73.08	271.85	1,995.16	220.11	4,854.53
Total earnings	9,112.04	16,879.40	141,474.88	16,595.41	266,557.17
Expenses					
Power purchased	5,655.93	12,190.90	100,165.11	11,642.65	146,007.65
Substation operation			2,308.34		6,436.27
Substation maintenance			975.96		813.58
Distribution system, operation and maintenance	447.41	896.79	4,781.58	926.73	3,767.56
Line transformer maintenance		50.50	342.29	170.00	943.77
Meter maintenance	99.49	320.77	861.40	157.83	3,900.38
Consumers' premises expenses		39.72	2,025.31	303.61	1,584.63
Street lighting, operation and maintenance	182.76	231.22	1,255.65	65.28	1,418.69
Promotion of business			50.00		605.33
Billing and collecting	514.02	702.44	3,239.73	511.27	3,738.34
General office, salaries and expenses	159.03	507.04	2,594.23	753.56	10,488.79
Undistributed expenses	29.15	23.71	295.24	24.73	553.99
Truck operation and maintenance			679.51	217.92	1,179.04
Interest			404.38		7,052.12
Sinking fund and principal payments on debentures			5,538.68		9,475.56
Depreciation	961.00	1,234.00	11,402.00	1,066.00	16,141.53
Other reserves					391.67
Total operating costs and fixed charges	8,048.79	16,197.09	136,919.41	15,839.58	214,498.90
Net surplus	1,063.25	682.31	4,555.47	755.83	52,058.27
Net loss					
Number of Consumers					
Domestic service	256	364	2,151	295	2,626
Commercial light service	34	80	248	77	496
Power service	7	14	71	6	84
Total	297	458	2,470	378	3,206

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1940

Wellesley P.V.	West Lorne 783	Weston 5,289	Wheatley 770	Windsor 102,680	Woodbridge 914	Woodstock 11,418
$ c.	$ c.	$ c	$ c.	$ c.	$ c.	$ c.
2,398.23	3,217.76	49,854.99	3,886.41	707,339.40	7,499.40	75,020.26
1,620.24	2,202.30	12,468.72	3,267.73	384,817.81	2,166.44	45,367.61
1,343.74	2,524.53	53,028.55	2,531.16	569,927.51	9,073.28	80,052.78
....	....	540.86	489.80	19,123.69	652.74	2,967.72
660.00	1,060.02	7,287.13	1,528.12	107,669.02	1,067.92	8,845.41
....	.90	....	....	13,212.67	....	....
56.48	30.41	1.73	222.15	986.95	57.90	3,241.39
6,078.69	9,035.92	123,181.98	11,925.37	1,803,077.05	20,517.68	215,495.17
3,810.37	5,346.34	94,169.43	6,708.33	1,038,947.16	15,388.20	169,385.04
....	....	260.60	....	34,062.96	....	2,869.58
....	....	....	....	14,789.12	....	....
155.25	317.18	3,877.95	627.34	41.801.41	389.39	5,065.44
....	3.28	186.12	40.00	10,478.40	....	....
52.35	110.77	533.95	176.50	24,174.86	....	4.097.68
25.12	100.24	2,505.57	49.00	69,309.10	178.28	2,374.71
135.33	120.73	865.23	414.54	33,103.14	88.88	2,065.49
....	....	....	55.14	31,108.54	....	1,366.45
260.55	542.24	1,289.36	498.00	54,602.41	....	3,587.36
226.44	185.90	3,331.04	160.11	42,849.44	872.55	6,258.58
9.54	....	399.88	73.21	14,664.37	....	1,794.20
....	....	430.37	....	....	....	678.01
....	....	1,106.46	210.66	24,774.23	181.91	783.00
....	....	4,355.77	878.12	139,809.22	424.16	310.25
416.00	795.00	6,282.00	800.00	125.781.00	1,030.00	16,448.00
....	....	100.00	....	....	....	....
5,090.95	7,521.68	119,693.73	10,690.95	1,700,255.36	18,553.37	217,083.79
987.74	1,514.24	3,488.25	1,234.42	102,821.69	1,964.31	....
....	....	....	....	....	....	1,588.62
131	221	1,447	228	23,872	295	3,230
49	57	171	70	3,162	48	470
4	6	29	6	458	7	90
184	284	1,647	304	27,492	350	3,790

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Concluded

Municipality Population	Wyoming 530	*York Twp.	Zurich P.V.	NIAGARA SYSTEM SUMMARY
EARNINGS	$ c.	$ c.	$ c.	$ c.
Domestic service	2,494.94	505,465.94	3,294.38	10,789,978.33
Commercial light service	1,512.13	79,368.90	2,755.49	6,044,778.67
Commercial power service	261.23	109,881.71	....	10,342,811.51
Municipal power	....	6,972.38	....	1,567,078.63
Street lighting	780.00	45,893.02	693.00	1,405,551.57
Merchandise	....	....	....	42,493.30
Miscellaneous	18.25	19,937.08	160.12	484,752.76
Total earnings	5,066.55	767,519.03	6,902.99	30,677,444.77
EXPENSES				
Power purchased	2,885.76	....	4,203.08	18,721,793.47
Substation operation	....	....	....	427,408.70
Substation maintenance	....	....	....	312,889.94
Distribution system, operation and maintenance	271.88	....	188.72	721,836.99
Line transformer maintenance	3.60	†617,147.87	....	87,737.36
Meter maintenance	137.19	....	27.40	288,356.74
Consumers' premises expenses	....	....	....	518,777.87
Street lighting, operation and maintenance	165.21	....	100.26	266,654.96
Promotion of business	....	....	....	270,076.87
Billing and collecting	241.28	....	221.87	816,070.01
General office, salaries and expenses	151.49	....	108.54	746,191.61
Undistributed expenses	7.44	....	7.15	480,669.57
Truck operation and maintenance	....	....	....	52,972.64
Interest	....	11,127.22	149.01	1,323,150.11
Sinking fund and principal payments on debentures	....	26,639.45	254.12	2,223,707.93
Depreciation	474.00	23,663.00	509.00	2,125,698.12
Other reserves	....	....	....	12,585.14
Total operating costs and fixed charges	4,337.85	678,577.54	5,769.15	29,396,578.03
Net surplus	728.70	88,941.49	1,133.84	1,280,866.74
Net loss	....	....	....	....
NUMBER OF CONSUMERS				
Domestic service	156	19,419	140	414,542
Commercial light service	51	1,114	41	59,504
Power service	3	159	....	10,807
Total	210	20,692	181	484,853

*For year 1939. Included in Toronto figures. Not added in summary.
†Toronto Operating Costs.

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1940

GEORGIAN BAY SYSTEM

Alliston	Arthur	Barrie	Beaverton	Beeton	Bradford	Brechin
1,437	1,038	8,446	915	568	1,004	P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
10,601.69	5,350.21	71,044.77	5,392.66	3,438.83	6,233.81	1,527.49
7,399.95	4,972.13	45,137.59	2,550.30	2,273.83	4,267.51	766.33
2,036.45	626.57	19,731.71	1,216.92	1,403.70	1,741.28	817.66
662.67	322.95	1,325.04	....	....	281.78	....
1,978.94	1,461.20	6,198.50	1,307.00	1,264.00	1,072.00	476.00
....	....	36.32	....	....	....	....
24.20	....	270.73	920.70	50.08	150.95	....
22,703.90	12,733.06	143,744.66	11,387.58	8,430.44	13,747.33	3,587.48
14,561.58	9,559.09	113.130.24	8,833.02	6,365.53	8,858.82	2,450.15
....	....	1,121.07	....	....	....	....
....	....	27.93	....	....	....	....
766.39	735.84	5,859.43	525.11	356.52	222.19	225.56
....	61.64	397.35	....	....	....	....
67.95	139.90	1,064.91	42.50	185.90	184.22	....
575.26	....	2,129.65	90.82	....	71.11	....
406.39	177.49	1,173.01	178.46	155.03	178.80	117.12
....	....	730.59	....	....	....	....
777.67	....	4,920.80	599.33	145.81	480.92	....
361.28	497.51	2,986.49	320.68	129.15	171.82	199.38
32.48	22.40	477.66	10.98	....	51.12	....
....	....	629.07	....	....	....	....
1,009.31	709.61	816.30	150.04	346.78	744.70	176.14
2,138.66	1,076.25	1,831.20	735.19	628.99	1,268.44	141.98
1,681.00	1,206.00	8,986.85	1,442.00	752.00	1,130.00	174.00
....	....	116.68	83.43	....	93.39	25.00
22,377.97	14,185.73	146,399.23	13,011.56	9,065.71	13,455.53	3,509.33
325.93	....	....	....	....	291.80	78.15
....	1,452.67	2,654.57	1,623.98	635.27	....	....
412	224	2,192	331	130	241	57
106	88	427	66	34	68	18
14	6	53	9	5	8	4
532	318	2,672	406	169	317	79

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY SYSTEM—Continued

Municipality	Cannington	Chatsworth	Chesley	Coldwater	Collingwood
Population	705	321	1,743	606	5,342
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	5,590.23	1,959.00	9,224.47	3,562.54	28,379.14
Commercial light service	2,492.43	1,330.31	5,726.29	1,360.02	14,280.05
Commercial power service	1,505.95		6,461.12	1,918.23	24,754.01
Municipal power			823.75		1,665.63
Street lighting	1,155.48	533.00	1,378.64	873.00	3,816.00
Merchandise			154.56		
Miscellaneous	47.63	26.19	169.67	188.40	1,119.77
Total earnings	10,791.72	3,848.50	23,938.50	7,902.19	74,014.60
EXPENSES					
Power purchased	6,704.15	2,890.89	19,396.44	5,545.65	61,550.84
Substation operation					439.71
Substation maintenance					
Distribution system, operation and maintenance	563.34	67.68	432.10	451.64	1,325.72
Line transformer maintenance		111.52	40.20		154.20
Meter maintenance	256.07	65.54	214.46	136.35	214.22
Consumers premises expenses	254.86		226.95	21.65	
Street lighting, operation and maintenance	171.25	24.28	146.77	176.14	390.18
Promotion of business			102.73		
Billing and collecting	529.56		575.25	445.78	2,088.89
General office, salaries and expenses	515.46	399.56	666.51	176.17	997.94
Undistributed expenses		16.41	34.27		290.64
Truck operation and maintenance					383.08
Interest	196.57			92.89	
Sinking fund and principal payments on debentures	631.74			388.80	
Depreciation	912.00	337.00	1,732.00	720.00	4,804.00
Other reserves					
Total operating costs and fixed charges	10,735.00	3,912.88	23,567.68	8,155.07	72,639.42
Net surplus	56.72		370.82		1,375.18
Net loss		64.38		252.88	
NUMBER OF CONSUMERS					
Domestic service	248	95	436	162	1,397
Commercial light service	72	34	100	47	201
Power service	10		22	3	51
Total	330	129	558	212	1,649

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1940

Cookstown P.V.	Creemore 638	Dundalk 703	Durham 1,854	Elmvale P.V.	Elmwood P.V.	Flesherton 457
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
2,334.32	3,399.08	3,472.52	7,046.04	3,698.68	1,177.94	2,048.72
1,545.33	1,606.25	2,987.74	5,245.44	1,937.81	645.18	1,842.32
889.36	1,025.60	3,068.96	3,597.10	3,237.06	1,210.30	688.15
....	....	....	692.65	225.00	....	....
855.00	754.00	1,230.00	1,640.00	720.00	415.93	641.75
....	....	....	2.35	....	....	....
153.54	90.00	135.00	383.09	148.59	98.23	127.34
5,777.55	6,874.93	10,894.22	18,606.67	9,967.14	3,547.58	5,348.28
3,138.74	6,006.71	8,914.73	14,239.10	6,427.81	2,574.47	3,266.97
....	....	....	....	....	....	....
....	....	....	....	....	....	....
154.05	291.56	737.83	881.84	283.91	26.14	150.73
....	....	92.70	16.80	....	....	....
34.35	176.17	105.35	337.56	66.20	....	26.96
....	....	....	20.80	159.86	....	....
120.75	166.19	149.71	238.26	127.19	19.19	53.00
....	....	47.78	....	....	....	104.00
325.01	213.96	....	698.27	294.21	....	....
72.76	60.74	872.13	758.67	182.73	187.99	382.62
6.61	....	34.20	60.66	....	....	....
....	....	....	267.62	....	....	....
287.92	....	....	.50	62.00	2.72	98.73
439.56	....	....	....	393.36	....	365.70
637.00	526.00	588.00	1,425.00	813.00	273.00	405.00
....	....	....	....	....	....	....
5,216.75	7,441.33	11,542.43	18,945.08	8,810.27	3,083.51	4,853.71
560.80	....	....	....	1,156.87	464.07	494.57
....	566.40	648.21	338.41	....	....	....
109	162	198	469	190	66	143
32	56	71	103	46	22	50
3	3	5	14	9	1	2
144	221	274	586	245	89	195

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY SYSTEM—Continued

Municipality Population	Grand Valley 629	Gravenhurst 2,193	Hanover 3,235	Holstein P.V.	Huntsville 2,764
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic servce	3,464.12	10,328.46	19,821.78	971.48	13,639.62
Commercial light service	2,293.32	9,799.78	8,537.07	720.58	12,026.40
Commercial power service	1,542.23	12,797.39	18,972.84	260.92	14,941.47
Municipal power	....	669.03	284.62	....	1,153.07
Street lighting	920.00	2,092.98	2,449.33	345.00	2,780.00
Merchandise	....	2,576.39	1.38	....	....
Miscellaneous	199.54	30.00	1,692.32	67.50	328.46
Total earnings	8,419.21	38,294.03	51,759.34	2,365.48	44,869.02
EXPENSES					
Power purchased	6,334.69	24,702.34	38,162.95	1,339.70	35,371.48
Substation operation	....	119.84	....	....	....
Substation maintenance	....	....	....	....	....
Distribution system, operation and maintenance	334.42	3,138.78	1,770.35	37.15	1,867.66
Line transformer maintenance	....	257.60	41.12	....	....
Meter maintenance	134.35	398.45	366.71	....	322.34
Consumers' premises expenses	....	367.04	154.02	....	156.06
Street lighting, operation and maintenance	80.79	475.02	313.79	2.00	610.78
Promotion of business	....	....	....	....	252.60
Billing and collecting	....	1,099.45	1,620.25	....	1,226.50
General office, salaries and expenses	609.30	741.21	798.88	256.64	1,518.04
Undistributed expenses	16.78	507.42	394.21	....	260.66
Truck operation and maintenance	....	330.86	....	....	190.89
Interest	12.45	434.51	613.85	1.43	....
Sinking fund and principal payments on debentures	....	....	2,361.18	....	....
Depreciation	706.00	2,807.00	4,290.00	149.00	1,608.00
Other reserves	....	100.00	....	....	63.71
Total operating costs and fixed charges	8,228.78	35,479.52	50,887.31	1,785.92	43,448.72
Net surplus	190.43	2,814.51	872.03	579.56	1,420.30
Net loss	....	....	....	....	....
NUMBER OF CONSUMERS					
Domestic service	171	529	777	52	691
Commercial light service	51	113	141	22	139
Power service	4	16	23	2	15
Total	226	658	941	76	845

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1940

Kincardine	Kirkfield	Lucknow	Markdale	Meaford	Midland	Mildmay
2,470	P.V.	1,015	795	2,759	6,600	756
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
15,889.23	1,025.18	6,099.27	3,772.67	13,310.58	35,613.65	3,555.95
9,378.77	1,156.05	4,080.72	2,945.80	8,533.10	17,713.45	2,472.64
10,854.03	....	4,187.72	1,844.30	5,017.94	52,464.63	936.52
1,302.21	....	504.95	107.69	1,112.01	2,778.36	....
4,346.52	480.00	1,462.50	1,010.00	3,037.57	6,376.00	661.76
....	....	....	....	....	....	....
43.32	....	68.56	184.71	796.92	1,924.82	139.76
41,814.08	2,661.23	16,403.72	9,865.17	31,808.12	116,870.91	7,766.63
27,968.59	1,421.80	11,129.14	6,374.96	21,656.65	99,605.86	5,073.91
339.16	....	....	....	....	2,184.09	....
....	....	....	....	....	325.04	....
1,923.57	122.67	322.00	201.27	2,111.46	4,825.08	221.84
166.80	....	105.27	2.00	171.68	18.68	....
153.10	....	141.82	234.85	264.73	1,253.38	30.90
115.74	....	....	69.81	183.95	942.45	112.17
508.60	58.95	112.12	106.43	511.89	639.59	57.36
69.56	....	....	7.76	....	776.01	....
766.94	....	....	....	709.59	2,218.16	....
915.28	162.57	978.16	520.56	733.95	2,041.44	453.08
175.34	....	63.73	....	255.30	1,140.29	....
44.66	....	....	....	188.15	421.90	....
445.72	5.40	233.63	192.91	1,001.17	....	470.33
4,715.23	....	1,423.39	460.93	4,390.58	....	574.45
2,843.00	272.00	1,012.00	760.00	1,741.00	12 456.00	296.00
....	50.00	....	....	....	....	....
41,151.29	2,093.39	15,521.26	8,931.48	33,920.10	128,847.97	7,290.04
662.79	567.84	882.46	933.69	....	....	476.59
....	....	....	....	2,111.98	11,977.06	....
698	35	244	219	707	1,559	173
112	19	82	80	148	198	53
18	....	7	9	18	49	3
828	54	333	308	873	1,806	229

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY SYSTEM—Continued

Municipality	Mount Forest	Neustadt	Orangeville	Owen Sound	Paisley
Population	1,909	468	2,608	13,659	727
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	9,865.03	2,058.15	16,135.51	60,413.31	4,210.14
Commercial light service	7,581.37	1,050.36	10,583.20	44,135.76	2,695.08
Commercial power service	4,893.00	390.19	5,437.98	48,305.71	1,043.35
Municipal power	934.67	....	1,057.24	508.47	....
Street lighting	2,270.02	702.00	2,680.37	11,825.00	1,170.00
Merchandise	....	....	80.80	1,709.98	....
Miscellaneous	204.86	146.99	479.00	1,392.18	130.40
Total earnings	25,748.95	4,347.69	36,454.10	168,290.41	9,248.97
EXPENSES					
Power purchased	21,628.02	1,928.87	27,988.84	142,963.23	6,070.75
Substation operation	....	....	....	4,027.96	....
Substation maintenance	....	....	....	....	....
Distribution system, operation and maintenance	383.59	94.46	1,212.39	3,446.67	390.85
Line transformer maintenance	30.87	43.07	276.16	1,414.56	30.85
Meter maintenance	129.60	59.00	316.00	1,722.38	46.58
Consumers' premises expenses	....	....	260.28	2.76	....
Street lighting, operation and maintenance	256.75	67.85	609.06	2,105.68	94.51
Promotion of business	....	....	132.55	958.74	....
Billing and collecting	588.16	....	1,074.82	5,465.85	....
General office, salaries and expenses	136.70	312.81	782.28	5,491.41	558.91
Undistributed expenses	36.53	11.14	64.72	1,835.60	18.30
Truck operation and maintenance	150.20	....	....	1,016.85	....
Interest	383.83	29.51	171.00	113.33	258.12
Sinking fund and principal payments on debentures	921.37	493.60	88.91	....	1,080.75
Depreciation	1,660.00	745.00	2,457.00	8,929.00	639.00
Other reserves	....	....	....	....	....
Total operating costs and fixed charges	26,305.62	3,785.31	35,434.01	179,494.02	9,188.62
Net surplus	....	562.38	1,020.09	....	60.35
Net loss	556.67	....	....	11,203.61	....
NUMBER OF CONSUMERS					
Domestic service	484	96	750	3,432	205
Commercial light service	138	27	145	589	57
Power service	15	1	24	108	4
Total	637	124	919	4,129	266

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1940

Penetanguishene 4,076	Port Elgin 1,374	Port McNicoll 940	Port Perry 1,145	Priceville P.V.	Ripley 439	Rosseau 310
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
12,470.63	10,451.40	4,244.37	7,995.06	761.30	3,182.77	2,839.19
7,598.17	6,161.25	723.79	3,122.26	276.76	1,665.95	1,034.13
16,794.05	3,144.05	48.69	2,146.36	81.61	1,361.71	....
1,840.57	758.72	....	322.92	....	....	....
2,298.79	2,612.50	964.00	1,665.00	480.00	969.50	1,410.00
....	....	....	....	....	....	....
61.39	330.94	....	474.19	3.27	7.79	16.61
41,063.60	23,458.86	5,980.85	15,725.79	1,602.94	7,187.72	5,299.93
29,418.12	16,717.99	3,280.30	11,563.03	568.06	4,971.00	2,732.77
177.81	....	....	....	....	....	....
....	....	....	....	....	....	....
2,266.52	948.13	362.56	833.26	145.63	169.79	387.01
258.90	15.70	....	....	....	....	....
275.59	83.91	75.25	103.85	....	82.37	....
259.25	126.38	....	....	....	....	....
298.28	263.25	125.25	160.53	8.00	28.54	71.60
104.78	....	....	....	....	....	....
1,370.01	621.43	554.29	730.61	....	....	190.14
1,051.75	288.91	285.83	368.42	96.72	482.48	66.82
228.42	40.38	66.94	....	....	16.61	....
217.74	171.55	....	....	....	....	....
195.61	1,402.36	24.33	592.63	29.50	455.68	636.23
2,298.74	1,970.50	184.40	1.123.97	493.60	574.06	501.30
3,572.00	1,178.00	502.00	1,084.00	247.00	568.00	311.00
262.66	....	....	....	....	....	....
42,256.18	23,828.49	5,461.15	16,560.30	1,588.51	7,348.53	4,896.87
....	....	519.70	....	14.43	....	403.06
1,192.58	369.63	....	834.51	....	160.81	....
682	462	231	354	32	130	70
113	113	20	81	12	48	18
25	6	1	11	1	1	....
820	581	252	446	45	179	88

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY SYSTEM—Continued

Municipality	Shelburne	South-ampton	Stayner	Sunderland	Tara
Population	1,018	1,515	1,013	P.V.	483
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	5,768.10	10,040.53	5,091.66	2,860.41	3,232.07
Commercial light service	3,666.89	4,659.32	3,695.04	1,574.90	1,640.13
Commercial power service	2,532.67	3,351.98	2,055.40	229.53	1,327.14
Municipal power	212.36	1,104.72	59.44	....	....
Street lighting	882.00	2,467.68	1,192.00	734.60	1,104.00
Merchandise	....	....	....	....	....
Miscellaneous	340.00	30.38	162.18	10.95	10.07
Total earnings	13,402.02	21,654.61	12,255.72	5,410.39	7,313.41
EXPENSES					
Power purchased	10,713.22	13,853.19	9,770.95	3,789.64	4,262.74
Substation operation	....	....	....	....	....
Substation maintenance	....	....	....	....	....
Distribution system, operation and maintenance	334.73	1,179.59	579.56	385.01	105.40
Line transformer maintenance	....	....	....	....	....
Meter maintenance	180.92	141.46	109.65	89.02	206.21
Consumers' premises expenses	....	133.30	....	....	....
Street lighting, operation and maintenance	88.07	178.13	215.15	143.36	98.54
Promotion of business	....	....	....	....	....
Billing and collecting	605.19	843.04	527.11	286.96	....
General office, salaries and expenses	286.11	565.83	385.44	183.64	591.10
Undistributed expenses	10.82	57.59	13.37	....	11.73
Truck operation and maintenance	....	193.55	....	....	....
Interest	....	739.21	....	....	34.91
Sinking fund and principal payments on debentures	....	1,548.23	....	....	634.59
Depreciation	1,220.00	1,142.00	1,126.00	383.00	712.00
Other reserves	....	....	....	....	....
Total operating costs and fixed charges	13,439.06	20,575.12	12,727.23	5,260.63	6,657.22
Net surplus	....	1,079.49	....	149.76	656.19
Net loss	37.04	....	471.51	....	....
NUMBER OF CONSUMERS					
Domestic service	308	519	280	118	149
Commercial light service	75	96	93	43	38
Power service	15	12	15	2	5
Total	398	627	388	163	192

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1940

Teeswater 840	Thornton P.V.	Tottenham 532	Uxbridge 1,535	Victoria Harbour 979	Walkerton 2,523	Waubaushene P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
5,167.45	1,540.31	3,656.61	8,827.05	3,796.73	17,467.49	3,516.51
2,818.78	503.30	1,844.44	4,965.65	540.91	10,716.90	558.16
1,028.68	327.96	422.91	2,083.25	....	7,540.24	112.66
180.00	....	164.57	....	94.50	520.87	141.22
1,107.60	625.00	882.00	1,607.13	663.00	2,874.52	482.00
....	....	....	....	....	288.21	....
151.56	....	4.86	20.46	....	.81	....
10,454.07	2,996.57	6,975.39	17,503.54	5,095.14	39,409.04	4,810.55
6,674.28	1,688.12	5,331.05	13,683.08	2,946.00	26,535.56	3,774.30
....	....	....	....	....	....	....
....	....	....	....	....	....	....
405.31	122.36	287.47	821.86	339.70	959.49	97.38
....	....	....	....	....	234.63	....
105.97	....	7.90	312.50	75.30	590.34	80.65
57.97	....	....	233.99	....	99.90	....
71.41	51.64	89.15	263.34	184.43	476.84	40.08
....	....	....	....	....	....	....
....	....	260.37	382.48	431.41	944.43	309.03
658.76	90.32	170.87	353.33	349.54	2,333.16	187.29
26.28	....	....	17.95	....	238.25	....
....	....	....	....	....	53.25	....
236.28	14.73	254.89	....	0.77	2,241.56	67.24
1,760.36	246.82	549.92	....	....	2,814.98	....
927.00	410.00	533.00	910.00	561.00	1,786.00	424.00
....	....	....	....	....	....	....
10,923.62	2,623.99	7,484.62	16,978.53	4,888.15	39,308.39	4,979.97
....	372.58	....	525.01	206.99	100.65	....
469.55	....	509.23	....	....	....	169.42
224	65	123	405	229	637	226
54	14	46	101	14	146	17
4	2	7	10	1	19	3
282	81	176	516	244	802	246

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY SYSTEM—Concluded

Municipality	Wiarton	Windermere	Wingham	Woodville	GEORGIAN BAY SYSTEM SUMMARY
Population	1,760	118	2,149	425	
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	7,410.55	2,499.83	12,499.27	2,209.24	533,184.80
Commercial light service	7,898.07	1,111.55	8,356.95	1,159.90	330,363.46
Commercial power service	2,730.25	133.70	8,921.54	604.48	316,799.21
Municipal power	1,443.93		622.62		23,878.23
Street lighting	2,309.56	325.00	3,100.00	634.02	103,769.39
Merchandise			1,711.02		6,561.01
Miscellaneous	712.23		1,307.87	224.37	15,803.38
Total earnings	22,504.59	4,070.08	36,519.27	4,832.01	1,330,359.48
EXPENSES					
Power purchased	15,478.05	2,061.32	22,659.54	3,511.81	1,000,120.83
Substation operation			1,719.69		10,129.33
Substation maintenance					352.97
Distribution system, operation and maintenance	554.61	181.01	1,451.30	381.21	49,760.68
Line transformer maintenance					3,942.30
Meter maintenance	247.55	34.00	194.58		11,889.82
Consumers' premises expenses			77.41	1.84	6,905.28
Street lighting, operation and maintenance	361.71	65.08	527.86	129.57	14,720.19
Promotion of business					3,287.10
Billing and collecting	630.73	160.63	692.67	287.72	36,693.43
General office, salaries and expenses	601.52	66.01	1,996.35	128.79	38,539.80
Undistributed expenses	66.85		188.31		6,800.95
Truck operation and maintenance	172.92		279.03		4,711.32
Interest	1,460.92	480.69	1,716.30	75.64	19,720.88
Sinking fund and principal payments on debentures	1,591.53	550.17	1,495.85	210.58	45,099.86
Depreciation	959.00	394.00	3,929.00	281.00	95,072.85
Other reserves					794.87
Total operating costs and fixed charges	22,125.39	3,992.91	36,927.89	5,008.16	1,348,542.46
Net surplus	379.20	77.17			
Net loss			408.62	176.15	18,182.98
NUMBER OF CONSUMERS					
Domestic service	409	60	570	108	24,475
Commercial light service	114	15	143	28	5,197
Power service	16	1	25	2	722
Total	539	76	738	138	30,394

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1940

EASTERN ONTARIO SYSTEM

Alexandria 1,951	Apple Hill P.V.	Arnprior 3,898	Athens 700	Bath 315	Belleville 14,678	Bloomfield 629	Bowman-ville 3.800
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
7,902.15	1,374.14	18,247.03	3,217.92	1,913.26	80,184.48	3,138.69	28,629.76
5,145.01	1,039.00	11,289.15	1,536.25	595.64	54,394.21	2,144.99	10,617.11
3,908.60	501.48	16,485.61	903.76	....	37,763.33	948.73	55,687.96
845.26	....	2,568.75	....	....	3,801.34	....	....
1,950.00	478.00	3,474.90	1,204.00	420.00	10,787.38	704.00	3,874.80
....	....	160.68	....	....	3,545.88	....	....
489.88	5.16	224.40	132.50	....	1,907.79	34.54	2,308.49
20,240.90	3,397.78	52,450.52	6,994.43	2,928.90	192,384.41	6,970.95	101,118.12
9,797.10	1,832.81	27,462.85	4,507.35	1,660.23	148,909.40	4,593.29	74,187.79
....	....	....	....	....	1,681.03	....	....
....	....	....	....	....	....	....	50.27
1,091.04	78.41	2,051.26	105.60	64.78	2,773.61	140.12	2,049.96
40.02	....	123.38	....	....	302.63	....	90.13
196.82	28.99	480.16	242.87	....	2,815.39	131.74	739.06
....	....	489.93	....	....	845.36	....	1,263.29
188.12	45.95	381.74	52.15	55.15	1,720.52	99.54	584.94
....	....	160.49	....	....	549.15	20.00	170.45
941.87	....	2,763.47	....	....	3,892.40	....	2,434.20
481.33	292.49	2,165.41	348.82	241.82	6,348.94	333.67	2,896.45
73.54	....	73.38	....	....	1,179.62	....	1,149.44
239.04	....	....	....	....	....	....	....
196.18	66.08	1,829.35	447.95	361.61	71.53	252.99	338.29
3,291.21	457.02	2,560.68	723.56	312.90	....	607.19	5,000.00
1,726.00	217.00	1,178.00	599.00	244.00	9,101.00	599.00	2,832.00
....	....	....	....	....	....	....	....
18,262.27	3,018.75	41,720.10	7,027.30	2,940.49	180,190.58	6,777.54	93,786.27
1,978.63	379.03	10,730.42	....	....	12,193.83	193.41	7,331.85
....	....	....	32.87	11.59	....	....	....
379	57	790	184	52	3,358	171	1,175
110	23	161	48	13	657	42	158
17	2	20	1	....	101	7	25
506	82	971	233	65	4,116	220	1,358

STATEMENT

Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO SYSTEM—Continued

Municipality	Brighton	Brockville	Cardinal	Carleton Place	Chesterville
Population	1,556	9,961	1,576	4.275	1,061
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	9,655.46	55,166.92	7,665.63	20,176.21	4,980.95
Commercial light service	4,792.15	26,027.86	2,508.68	9,676.14	3,831.97
Commercial powei service	3,339.44	37,928.88	341.04	27,464.07	2,114.30
Municipal power	....	4,952.24	....	1,503.91	....
Street lighting	2,146.74	8,951.50	992.00	4,868.63	1,044.00
Merchandise	187.86	....	....	19.09	....
Miscellaneous	126.83	5,317.79	135.00	1,558.31	428.23
Total earnings	20,248.48	138,345.19	11,642.35	65,266.36	12,399.45
EXPENSES					
Power purchased	10,324.98	103,746.54	7,951.99	45,147.43	8,736.85
Substation operation	....	5,100.00	....	83.30	....
Substation maintenance	....	996.91	....	....	....
Distribution system, operation and maintenance	1,860.64	2,135.30	543.34	1,705.95	845.64
Line transformer maintenance	44.69	135.02	13.50	8.68	....
Meter maintenance	607.49	2,812.37	18.80	534.01	57.31
Consumers' premises expenses	132.82	....	....	823.26	239.84
Street lighting, operation and maintenance	354.89	1,313.73	207.99	556.20	138.23
Promotion of business	209.18	88.78	....	170.28	89.64
Billing and collecting	584.45	2,312.72	....	1,738.23	501.87
General office, salaries and expenses	1,258.83	5,028.13	633.66	3,496.64	545.19
Undistributed expenses	323.57	1,209.34	....	509.27	....
Truck operation and maintenance	271.37	643.19	....	380.09	....
Interest	995.94	....	467.90	1,549.48	....
Sinking fund and principal payments on debentures	1,446.61	....	703.75	3,623.27	....
Depreciation	802.00	11,872.00	530.00	2,559.00	684.00
Other reserves	....	....	....	....	....
Total operating costs and fixed charges	19,217.46	137,394.03	11.070.93	62,885.09	11,838.57
Net surplus	1,031.02	951.16	571.42	2,381.27	560.88
Net loss	....	....	....	....	....
NUMBER OF CONSUMERS					
Domestic service	532	2,921	375	1,025	269
Commercial light service	94	418	61	191	76
Power service	10	73	2	19	3
Total	636	3,412	438	1,235	348

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1940

Cobden	Cobourg	Colborne	Deseronto	Finch	Hastings	Havelock	*Iroquois
639	5,268	942	1,300	347	772	1,156	1,068
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
2,267.01	36,393.08	5,693.04	5,792.81	2,216.47	3,914.81	5,199.71	3,958.00
2,680.35	21,474.38	3,188.66	2,167.84	1,749.17	2,310.62	2,979.88	2,918.92
386.15	23,773.33	775.46	1,157.06	312.76	284.01	2,359.16	346.80
....	2,168.90	212.41	721.37	....	....	....	988.08
765.00	5,934.63	1,516.00	1,369.80	468.00	1,308.50	1,545.00	838.00
....	....	332.43	....	....	....	....	....
73.19	1,730.91	176.84	137.02	137.80	898.06	521.94	51.33
6,171.70	91,475.23	11,894.84	11,345.90	4,884.20	8,716.00	12,605.69	9,101.13
3,140.80	61,356.37	6,623.53	6,658.16	3,465.95	3,944.54	6,469.64	5,270.49
....	....	....	....	....	....	....	498.85
....	....	....	....	....	....	....	....
61.79	2,526.15	1,098.46	816.00	153.15	544.60	1,262.82	445.70
....	140.78	....	....	....	....	....	9.44
73.22	1,058.76	111.77	91.87	62.40	65.10	68.45	29.75
....	304.68	152.84	186.50	38.91	....	....	....
137.27	668.77	209.46	443.14	52.92	119.74	200.42	270.14
....	....	....	181.74	....	....	....	....
282.87	2,964.97	....	502.13	....	....	....	421.90
140.64	2,875.87	1,450.42	646.15	314.07	559.84	575.11	113.60
....	868.05	180.43	104.30	....	64.27	....	....
....	....	578.34	334.56	....	....	225.18	....
322.16	2,229.97	585.48	56.03	227.38	839.17	198.55	....
577.84	5,013.81	578.43	675.14	382.91	924.29	2,669.83	....
149.00	4,543.00	406.00	507.00	346.00	648.00	1,079.00	82.50
....	....	....	....	....	....	....	....
4,885.59	84,551.18	11,975.16	11,202.72	5,043.69	7,709.55	12,749.00	7,142.37
1,286.11	6,924.05	....	143.18	....	1,006.45	....	1,958.76
....	....	80.32	....	159.49	....	143.31	....
123	1,363	267	316	98	227	295	256
54	250	76	63	34	58	62	89
1	50	5	6	1	4	3	5
178	1,663	348	385	133	289	360	350

*Nine months' operation.

STATEMENT

Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO SYSTEM—Continued

Municipality	Kemptville	Kingston	Lakefield	Lanark	Lancaster
Population	1,223	23,989	1,413	734	563
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	7,252.43	156,212.52	6,044.43	2,724.96	2,017.62
Commercial light service	4,939.60	106,686.90	4,149.83	1,557.99	1,554.99
Commercial power service	4,627.65	114,873.00	3,785.83	....	....
Municipal power	....	8,491.77	....	....	....
Street lighting	1,786.00	20,936.49	1,710.00	559.00	512.00
Merchandise	....	....	....	....	....
Miscellaneous	1,000.00	2,739.46	320.95	140.04	15.43
Total earnings	19,605.68	409,940.14	16,011.04	4,981.99	4,100.04
EXPENSES					
Power purchased	11,349.78	257,670.42	10,499.57	3,213.49	2,357.42
Substation operation	....	6,115.96	....	....	....
Substation maintenance	....	1,733.99	....	....	....
Distribution system, operation and maintenance	1,416.33	17,724.05	645.99	115.43	122.30
Line transformer maintenance	27.46	891.07	....	....	....
Meter maintenance	70.71	5,687.09	124.34	53.61	4.80
Consumers' premises expenses	100.21	1,982.10	....	....	....
Street lighting, operation and maintenance	177.59	3,977.59	115.12	44.46	55.34
Promotion of business	285.81	210.00	20.00	....	....
Billing and collecting	1,130.78	5,721.19	435.94	....	....
General office, salaries and expenses	427.17	12,964.30	595.32	427.63	433.50
Undistributed expenses	95.77	7,455.71	132.32	....	....
Truck operation and maintenance	264.38	3,272.50	223.17	....	....
Interest	877.06	2,333.43	1,282.14	....	....
Sinking fund and principal payments on debentures	956.76	2,751.50	1,283.22	....	....
Depreciation	1,290.00	31,177.00	1,425.00	369.00	387.00
Other reserves	....	2,500.00	....	....	....
Total operating costs and fixed charges	18,469.81	364,167.90	16,782.13	4,223.62	3,360.36
Net surplus	1,135.87	45,772.24	....	758.37	739.68
Net loss	....	....	771.09	....	....
NUMBER OF CONSUMERS					
Domestic service	349	6,481	331	159	100
Commercial light service	78	981	70	40	32
Power service	5	173	6	....	....
Total	432	7,635	407	199	132

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1940

Lindsay 7,203	Madoc 1,054	Marmora 997	Martintown P.V.	Maxville 760	Millbrook 728	Morrisburg 1,555	Napanee 3,234
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
43,382.59	4,764.49	4,179.43	677.74	3,368.35	4,234.95	8,891.26	24,093.56
29,531.75	4,069.92	2,205 18	971.09	2,694.07	2,114.51	5,987.67	16,617.77
34,781.16	1,371.81	284.47	....	....	467.01	2,074.16	9,065.15
2,823.72	....	....	....	....	....	533.02	481.63
6,250.11	1,350.00	1,298.00	176.00	1,148.75	782.90	2,454.22	4,239.00
....	....	....	....	....	....	....	633.39
4,459.55	104.41	23.83	49.67	64.35	33.54	211.90	....
121,228.88	11,660.63	7,990.91	1,874.50	7,275.52	7,632.91	20,152.23	55,130.50
88,344.73	8,227.44	4,613.81	1,286.55	4,125.70	3,263.53	6,296.86	34,590.26
....	....	....	....	....	....	2,245.88	....
....	....	....	....	....	....	....	....
1,621.75	1,002.75	512.86	40.95	315.80	364.24	608.27	3,641.40
491.11	....	....	....	....	82.14	37.54	90.64
1,484.69	389.47	....	....	120.22	152.98	194.04	691.20
510.74	....	....	....	24.64	7.75	....	300.70
1,935.96	120.87	151.02	36.24	279.53	138.07	262.43	692.54
399.51	....	....	....	....	....	....	136.41
3,398.55	....	....	....	....	470.84	....	1,772.14
6,174.23	873.48	827.61	167.87	363.63	637.52	1,099.46	4,469.91
1,244.39	59.65	....	....	....	1.95	115.97	2,351.32
....	....	....	....	....	....	99.16	204.66
3,539.13	....	150.36	....	69.80	296.86	1,810.88	42.17
6,724.26	....	1,120.14	....	1,269.07	415.84	4,542.18	....
5,153.00	520.00	622.00	182.00	620.00	245.00	761.00	2,112.00
....	....	....	....	....	....	....	....
121,022.05	11,193.66	7,997.80	1,713.61	7,188.39	6,076.72	18,073.67	51,095.35
206.83	466.97	....	160.89	87.13	1,556.19	2,078.56	4,035.15
....	....	6.89	....	....	....	....	....
2,047	300	242	49	151	170	440	831
338	91	46	24	43	60	124	202
70	5	2	....	....	2	14	27
2,455	396	290	73	194	232	578	1,060

STATEMENT

Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO SYSTEM—Continued

Municipality	Newcastle	Norwood	Omemee	Orono	Oshawa
Population	698	703	547	P.V.	24,938
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	5,138.66	4,766.62	3,096.97	4,462.45	188,281.50
Commercial light service	2,578.44	2,485.72	1,647.52	2,310.08	75,583.84
Commercial power service	2,032.10	502.39	3,425.65	48.54	264,387.73
Municipal power	....	....	....	....	8,801.62
Street lighting	593.44	1,596.00	1,061.28	713.37	12,142.82
Merchandise	....	....	....	....	....
Miscellaneous	72.48	647.88	116.86	12.47	7,730.18
Total earnings	10,415.12	9,998.61	9,348.28	7,546.91	556,927.69
EXPENSES					
Power purchased	4,661.45	4,292.28	6,074.23	3,236.42	459,708.52
Substation operation	....	....	....	....	....
Substation maintenance	....	....	....	....	208.22
Distribution system, operation and maintenance	280.67	484.10	557.19	358.02	7,128.77
Line transformer maintenance	12.05	....	40.06	15.00	802.73
Meter maintenance	62.25	107.07	168.04	59.58	3,594.74
Consumers' premises expenses	....	97.66	....	....	7,809.61
Street lighting, operation and maintenance	36.43	120.00	74.72	85.20	2,533.57
Promotion of business	....	....	....	....	487.24
Billing and collecting	914.80	....	....	611.23	10,099.56
General office, salaries and expenses	25.20	532.11	264.32	253.20	9,329.30
Undistributed expenses	87.76	....	8.72	14.28	5,215.63
Truck operation and maintenance	....	225.14	....	....	....
Interest	204.84	1,217.37	....	1,010.86	†10,389.43
Sinking fund and principal payments on debentures	1,159.48	1,543.01	....	*	....
Depreciation	810.00	1,261.00	795.00	163.00	13,033.00
Other reserves	....	....	....	....	235.04
Total operating costs and fixed charges	8,254.93	9,879.74	7,982.28	5,806.79	530,575.36
Net surplus	2,160.19	118.87	1,366.00	1,740.12	26,352.33
Net loss	....	....	....	....	....
NUMBER OF CONSUMERS					
Domestic service	209	235	162	179	6,451
Commercial light service	37	56	35	37	563
Power service	3	3	6	1	109
Total	249	294	203	217	7,123

*Due to refinancing there is no reduction in Debenture Debt in 1940.
†Fixed charges below normal due to refinancing of debt.

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1940

Ottawa	Perth	Peterborough	Picton	Port Hope	Prescott	Richmond
145,183	4,182	24,017	3,582	4,812	2,925	409
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
560,603.53	25,434.54	162,173.76	22,484.32	27,970.81	18,808.53	1,949.90
236,825.40	15,627.70	91,994.30	17,097.12	13,658.73	10,854.89	1,542.39
57,482.13	14,562.48	130,160.17	3,309.45	28,989.26	4,396.92	....
20,367.47	1,123.05	6,303.43	1,660.13	1,309.81	1,217.05	....
80,491.73	2,854.00	22,411.02	3,935.79	4,122.48	3,644.70	390.00
....	1,845.89	....	827.23	....	....	....
4,467.57	2,801.36	1,510.27	1,537.39	1,381.23	71.47	9.30
960,237.83	64,249.02	414,552.95	50,851.43	77,432.32	38,993.56	3,891.59
469,916.78	40,617.94	256,739.58	38,445.72	64,153.45	28,404.17	2,684.83
30,319.24	....	6,089.58	....	....	1,355.55	....
1,541.27	402.73	1,481.94	....	....	....	....
22,049.27	1,465.68	6,192.29	1,170.51	1,046.65	3,808.46	150.81
2,154.80	95.96	477.57	146.30	282.38	42.60	....
11,706.16	819.83	6,405.52	106.77	816.62	363.56	....
3,662.39	272.91	14,227.98	14.41	1,522.43	514.41	....
36,017.38	321.98	4,749.64	314.01	1,021.05	778.74	46.74
9,039.67	148.33	1,435.65	87.38	....	....	....
44,632.89	1,794.76	9,730.06	1,277.12	1,993.87	1,368.30	....
26,086.78	3,496.32	7,190.00	1,910.98	3,702.61	2,300.01	187.30
15,036.22	658.62	4,707.49	1,252.02	936.67	774.76	....
2,790.02	352.94	2,040.36	382.33	286.42	....	....
19,870.11	3,113.54	27,884.70	91.07	....	....	231.27
17,296.46	2,144.59	12,584.45	....	....	....	335.43
97,936.00	4,362.00	20,749.00	2,424.00	2,915.00	3,425.00	267.00
55,000.00	....	800.00	....	....	....	....
865,055.44	60,068.13	383,485.81	47,622.62	78,677.15	43,135.56	3,903.38
95,182.39	4,180.89	31,067.14	3,228.81	....	....	....
....	....	....	....	1,244.83	4,142.00	11.79
14,399	1,033	5,821	1,042	1,360	703	74
1,442	197	924	203	215	178	25
197	27	160	30	38	21	....
16,038	1,257	6,905	1,275	1,613	902	99

STATEMENT

Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO SYSTEM—Concluded

Municipality Population	Russell P.V.	Smiths Falls 7,672	Stirling 981	Trenton 7,222	Tweed 1,246
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	2,782.71	44,673.09	5,292.42	36,386.52	6,142.26
Commercial light service	1,603.38	16,900.09	3,815.75	23,876.26	5,185.74
Commercial power service	....	19,361.93	1,299.19	65,709.24	2,871.92
Municipal power	....	444.88	269.63	2,121.61	312.00
Street lighting	800.00	7,489.92	1,637.04	7,559.21	1,774.08
Merchandise	....	....	86.43	74.52	22.97
Miscellaneous	95.00	2,872.94	303.16	1,555.64	196.73
Total earnings	5,281.09	91,742.85	12,703.62	137,283.00	16,505.70
EXPENSES					
Power purchased	3,184.83	58,519.29	7,504.17	94,769.82	10,052.41
Substation operation	....	458.56	205.75	....	....
Substation maintenance	....	410.42	....	32.76	....
Distribution system, operation and maintenance	258.55	4,160.84	639.35	2,124.91	154.69
Line transformer maintenance	....	200.09	....	284.79	10.50
Meter maintenance	23.85	1,198.22	115.21	2,424.72	235.90
Consumers' premises expenses	23.80	2,879.10	....	578.94	....
Street lighting, operation and maintenance	143.38	420.23	311.94	931.31	286.23
Promotion of business	....	708.29	....	6.36	....
Billing and collecting	....	2,871.47	437.08	3,435.97	847.44
General office, salaries and expenses	375.73	3,084.50	1,131.30	5,736.96	305.92
Undistributed expenses	....	1,280.28	146.19	1,507.41	86.25
Truck operation and maintenance	....	832.34	204.29	518.24	.75
Interest	229.91	281.71	....	1,236.09	400.57
Sinking fund and principal payments on debentures	606.88	2,879.45	....	7,690.84	1,596.86
Depreciation	358.00	7,380.00	935.00	5,606.00	631.00
Other reserves	....	....	....	....	156.00
Total operating costs and fixed charges	5,204.93	87,564.79	11,630.28	126,885.12	14,764.52
Net surplus	76.16	4,178.06	1,073.34	10,397.88	1,741.18
Net loss	....	....	....	....	....
NUMBER OF CONSUMERS					
Domestic service	115	1,905	281	1,590	306
Commercial light service	32	295	78	266	86
Power service	....	41	12	52	14
Total	147	2,241	371	1,908	406

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1940

Warkworth P.V.	Wellington 934	Westport 710	Whitby 3,863	Williamsburg P.V.	Winchester 1,059	EASTERN ONTARIO SYSTEM SUMMARY
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
2,187.08	5,958.55	3,599.06	25,520.51	1,904.26	6,361.89	1,741,511.80
1,330.20	2,633.49	3,094.80	13,155.52	2,970.23	4,351.34	907,272.18
....	1,038.89	....	13,680.43	137.61	1,674.92	1,003,183.12
....	....	....	1,335.34	....	....	75,358.42
615.00	1,102.98	1,372.19	4,896.14	286.92	944.00	260,277.46
....	....	....	....	....	28.15	7,764.52
168.78	215.04	184.07	3,290.62	499.47	370.12	55,669.17
4,301.06	10,948.95	8,250.12	61,878.56	5,798.49	13,730.42	4,051,036.67
2.725.26	6,282.13	4,789.40	37,007.96	3,744.50	9,535.31	2,598.678,10
....	....	....	179.07	....	....	54,332.77
....	....	....	....	....	....	6,858.51
79.97	810.33	284.62	5,190.01	54.90	550.26	109,487.29
....	....	....	147.40	....	....	7,240.46
32.08	286.67	103.51	600.04	11.45	186.87	48,628.14
....	8.45	249.44	893.93	6.58	230.55	40,396.16
74.56	99.25	33.06	945.13	59.50	65.61	65,257.43
....	....	....	43.66	....	....	14,648.02
....	....	....	1,802.69	....	635.72	114,723.48
215.86	606.70	962.60	1,918.21	707.74	323.67	130,856.03
....	64.88	....	326.36	....	....	49,295.83
....	....	62.04	34.52	....	....	14,465.03
465.69	406.52	554.58	905.22	....	195.58	90,126.93
333.45	994.57	660.20	2,827.89	....	578.12	101,843.09
279.00	922.00	280.00	3,834.00	288.00	775.00	254,994.50
....	....	....	....	....	....	58,691.04
4,205.87	10,481.50	7,979.45	56,656.09	4,872.67	13,076.69	3,760,522.81
95.19	467.45	270.67	5,222.47	925.82	653.73	290,513.86
....	....	....	....	....	....	....
134	329	129	925	96	292	63,653
45	67	49	157	47	87	9,988
....	5	....	23	1	3	1,405
179	401	178	1,105	144	382	75,046

STATEMENT

Detailed Operating Reports of Electrical Departments of

THUNDER BAY SYSTEM

Municipality	Fort William	Nipigon Twp.	Port Arthur	THUNDER BAY SYSTEM SUMMARY
Population	24,843		21,284	
EARNINGS	$ c.	$ c.	$ c.	$ c.
Domestic service	208,634.12	3,670.25	121,418.16	333,722.53
Commercial light service	77,282.20	3,696.44	73,212.69	154,191.33
Commercial power service	45,988.42	200.28	687,491.37	733,680.07
Municipal power	25,770.73	475.04	34,166.42	60,412.19
Street lighting	19,549.20	676.00	19,532.06	39,757.26
Merchandise				
Miscellaneous	2,011.10	226.96	12,532.18	14,770.24
Total earnings	379,235.77	8,944.97	948,352.88	1,336,533.62
EXPENSES				
Power purchased	264,187.90	4,099.39	837,496.39	1,105,783.68
Substation operation	7,406.32		37,496.94	44,903.26
Substation maintenance	166.45		2,107.86	2,274.31
Distribution system, operation and maintenance	6,789.93	338.01	18,862.65	25,990.59
Line transformer maintenance	70.03	48.21	919.53	1,037.77
Meter maintenance	8,380.23	32.41	6,557.76	14,970.40
Consumers' premises expenses	600.77			600.77
Street lighting, operation and maintenance	6,637.45	153.33	4,760.45	11,551.23
Promotion of business	146.02	45.00	1,827.00	2,018.02
Billing and collecting	14,907.25		12,583.90	27,491.15
General office, salaries and expenses	8,224.97	914.60	13,533.93	22,673.50
Undistributed expenses	4,637.05	74.52	8,215.34	12,926.91
Truck operation and maintenance	2,157.76		2,110.20	4,267.96
Interest	16,633.84	220.36	2,036.90	18,891.10
Sinking fund and principal payments on debentures	7,495.12	651.49	1,126.69	9,273.30
Depreciation	17,301.00	673.00	30,086.93	48,060.93
Other reserves	1,719.40		3,500.00	5,219.40
Total operating costs and fixed charges	367,461.49	7,250.32	983,222.47	1,357.934.28
Net surplus	11,774.28	1,694.65		
Net loss			34,869.59	21,400.66
NUMBER OF CONSUMERS				
Domestic service	6,200	204	5,185	11,589
Commercial light service	970	57	825	1,852
Power service	124	2	106	232
Total	7,294	263	6,116	13,673

"B"—Concluded

Hydro Municipalities for Year Ended December 31, 1940

NORTHERN ONTARIO DISTRICTS

Capreol 1,700	*North Bay 15,797	Sioux Lookout 1,933	Sudbury 29,186	NORTHERN ONTARIO DISTRICTS SUMMARY	ALL SYSTEMS GRAND SUMMARY
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
9,167.45	51,647.45	16,142.24	230,356.19	307,313.33	13,705,710.79
3,930.50	32,347.63	13,412.08	156,384.05	206,074.26	7,642,679.90
....	19,024.58	656.38	42,284.21	61,965.17	12,458,439.08
728.93	3,506.07	....	10,272.76	14,507.76	1,741,235.23
1,260.00	6,033.69	1,921.50	23,872.76	33,087.95	1,842,443.63
....	....	....	....	....	56,818.83
....	1,941.76	....	5,022.67	6,964.43	577,959.98
15,086.88	114,501.18	32,132.20	468,192.64	629,912.90	38,025,287.44
6,530.37	57,607.00	25,485.69	240,864.00	330,487.06	23,756,863.14
....	197.87	....	7,262.17	7,460.04	544,234.10
....	....	....	....	....	322,375.73
1,838.31	2,534.29	577.42	18,029.96	22,979.98	930,055.53
16.40	113.19	60.00	1,469.68	1,659.27	101,617.16
75.63	2,531.77	192.58	5,917.66	8,717.64	372,562.74
....	215.24	160.00	1,080.09	1,455.33	568,135.41
651.09	1,134.52	131.90	6,810.38	8,727.89	366,911.70
....	2,992.16	....	....	2,992.16	293,022.17
1,105.49	3,769.00	2,044.56	18,751.81	25,670.86	1,020,648.93
1,050.17	7,600.29	311.51	12,842.79	21,804.76	960,065.70
64.55	677.53	55.18	4,923.74	5,721.00	555,414.26
....	....	183.21	3,248.48	3,431.69	79,848.64
59.22	5,694.21	....	6,738.84	12,492.27	1,464,381.29
987.00	....	....	8,812.42	9,799.42	2,389,723.60
791.00	8,686.00	393.00	16,838.00	26,708.00	2,550,534.40
....	266.31	100.00	15,935.94	16,302.25	93,592.70
13,169.23	94,019.38	29,695.05	369,525.96	506,409.62	36,369,987.20
1,917.65	20,481.80	2,437.15	98,666.68	123,503.28	1,655,300.24
....	....	....	....	....	....
328	3,236	509	7,663	11,736	525,995
51	675	115	1,105	1,946	78,487
1	86	2	137	226	13,392
380	3,997	626	8,905	13,908	617,874

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* Seven months' operation.

STATEMENT "C"

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
				$ c.	$ c.	$ c.
Acton..........	1,903	135	80 c.p. *s*	9.00	1,980.06	1.04
		5	80 c.p. *s*	12.00		
		2	250 c.p. *s*	18.00		
		8	60 watt *m*	4.00		
		62	100 watt *m*	9.00		
		1	150 watt *m*	12.00		
		3	200 watt *m*	18.50		
		4	300 watt *m*	20.00		
Agincourt......	....	62	100 watt *m*	12.00	744.00	**
Ailsa Craig.....	477	66	100 watt *m*	10.00	696.00	1.46
		2	200 watt *m*	18.00		
Alexandria......	1,951	138	100 watt *m*	14.00	1,950.00	1.00
		1	200 watt *m*	24.00		
Alliston........	1,437	102	150 c.p. *s*	17.50	1,978.94	1.38
		12	100 watt *m*	17.50		
Alvinston.......	663	82	100 watt *m*	17.00	1,683.50	2.54
		5	300 watt *m*	42.50		
		3	500 watt *m*	67.00		
Amherstburg....	2,755	72	100 watt *m*	15.00	2,315.85	††
		41	200 watt *m*	20.00		
		16	300 watt *m*	26.00		
Ancaster Twp...	....	32	100 watt *m*	11.50	1,054.00	**
		49	150 watt *m*	14.00		
Apple Hill......	....	33	100 watt *m*	14.50	478.00	**
Arkona.........	408	48	100 watt *m*	20.00	1,072.00	2.63
		4	150 watt *m*	28.00		
Arnprior.......	3,898	179	100 watt *m*	18.00	3,474.90	0.89
		10	300 watt *m*	27.00		
Arthur.........	1,038	90	100 watt *m*	15.50	1,461.20	1.41
Athens.........	700	40	100 watt *m*	14.00	1,204.00	1.72
		23	200 watt *m*	28.00		
Aylmer.........	1,979	195	100 watt *m*	10.00	2,590.00	1.31
		24	300 watt *m*	25.00		
		1	Traffic signal *m*	40.00		

NOTE: The "Cost to municipality in 1940" represents the charges billed to the municipality by the utility for street lighting service in the calendar year. This total charge differs in some cases from the total computed for the installation at the rates shown, for the following reasons:—FIRST: Certain equipment may have been in service for less than twelve months. Second: More equipment than shown for December 31 may have been in service earlier in the year.

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
				$ c.	$ c.	$ c.
Ayr..........	768	86	100 c.p. *s*	10.00	1,060.20	1.38
		15	300 c.p. *s*	22.00		
Baden.........	....	79	100 watt *m*	9.00	711.00	**
Barrie..........	8,446	483	150 c.p. *s*	9.00	6,198.50	0.73
		14	100 watt *m*	17.00		
		13	200 watt *m*	15.00		
		48	200 watt *m*	22.00		
		3	200 watt (Dock 6 mos.) *m*	12.00		
		13	300 watt *m*	25.00		
		1	500 watt *m*	30.00		
Bath..........	315	21	100 watt *m*	20.00	420.00	1.33
Beachville......	....	47	100 watt *m*	11.00	517.00	**
Beamsville......	1,186	52	80 c.p. *s*	8.00	1,941.07	1.64
		5	60 watt *m*	8.00		
		93	100 watt *m*	12.00		
		53	200 watt *m*	18.00		
Beaverton......	915	108	100 watt *m*	10.00	1,307.00	1.43
		11	100 watt (6 mos.) *m*	7.00		
		6	500 watt *m*	25.00		
Beeton.........	568	65	150 c.p. *s*	16.00	1,264.00	2.23
		14	100 watt *m*	16.00		
Belle River.....	852	81	100 watt *m*	12.00	1,018.00	1.19
			Decorative lights *m*	50c. per 100 watts per month		
Belleville.......	14,678	572	100 c.p. *s*	7.00–9.50	10,787.38	0.73
		22	250 c.p. *s*	15.00		
		1	400 c.p. *s*	15.00		
		52	1,000 c.p. *s*	30.00		
		16	200 watt *m*	12.50		
		3	200 watt *m*	15.00		
		24	250 watt *m*	14.50		
		218	300 watt *m*	20.00		
Blenheim.......	1,844	166	150 c p. *s*	12.00	2,625.00	1.42
		5	400 c.p. *s*	28.00		
		12	500 c.p. *s*	37.00		
		1	Traffic light *m*	16.00		
		1	500 watt *m*	33.00		
Bloomfield......	629	64	100 watt *m*	11.00	704.00	1.12
Blyth..........	656	90	100 watt *m*	13.00	1,580.00	2.41
		20	200 watt *m*	20.50		
Bolton.........	600	48	100 watt *m*	12.00	1,070.52	1.78
		23	200 watt *m*	21.50		

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
				$ c.	$ c.	$ c.
Bothwell	646	70	100 watt *m*	10.00	1,225.02	1.90
		21	300 watt *m*	25.00		
Bowmanville	3,800	184	100 c.p. *s*	10.00	3,874.80	1.02
		19	300 watt *m*	30.00		
		28	500 watt *m*	53.00		
Bradford	1,004	60	150 c.p. *s*	16.00	1,072.00	1.07
		7	100 watt *m*	16.00		
Brampton	5,695	587	100 watt *m*	8.00	6,597.83	1.16
		2	300 watt *m*	28.00		
		1	500 watt *m*	35.00		
		46	500 watt *m*	37.50		
		13	Fire alarm lights *m*	6.50		
Brantford	31,309	149	1500 c.p. *s*	45.00	33,668.32	††
		3,469	100 watt *m*	7.50		
		8	250 watt *m*	10.00		
		2	300 watt *m*	16.00		
		18	750 watt *m*	37.00		
		4	750 watt *m*	46.00		
Brantford Twp.		395	100 watt *m*	11.00	4,296.08	**
Brechin	‡	34	100 watt *m*	14.00	476.00	**
Bridgeport		60	100 watt *m*	13.00	876.00	**
		12	100 watt (bridge) *m*	8.00		
Brigden		46	60 watt *m*	11.00	800.00	**
		21	100 watt *m*	14.00		
Brighton	1,556	127	100 c.p. *s*	15.00	2,146.74	1.38
		10	300 watt *m*	25.00		
Brockville	9,961	656	100 c.p. *s*	10.00	8,951.50	0.90
		10	100 watt *m*	19.00		
		35	3 Lt. stands *m*	21.00		
		51	5 Lt. stands *m*	24.00		
		13	300 watt *m*	20.00		
Brussels	814	81	100 watt *m*	12.00	1,296.00	1.59
		18	200 watt *m*	18.00		
Burford		67	100 watt *m*	10.00	670.08	**
Burgessville		24	100 watt *m*	13.00	312.00	**
Caledonia	1,425	149	100 watt *m*	9.00	1,916.46	1.34
		20	100 watt (bridge) *m*	9.50		
		9	100 watt (twp.) *m*	13.00		
		2	200 watt *m*	14.00		
		10	300 watt *m*	22.50		
		1	500 watt *m*	32.00		

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‡Includes Mara and Thorah townships.

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
				$ c.	$ c.	$ c.
Campbellville		20	100 watt *m*	20.00	400.00	**
Cannington	705	65	100 watt *m*	15.00	1,155.48	1.64
		1	200 watt *m*	18.50		
		3	300 watt *m*	22.00		
		3	500 watt *m*	32.00		
Capreol	1,700	90	100 watt *m*	14.00	1,260.00	0.75
Cardinal	1,576	52	100 watt *m*	15.00	992.00	0.63
		12	200 watt *m*	21.00		
Carleton Place	4,275	86	60 watt *m*	13.00	4,868.63	1.14
		102	200 watt *m*	20.00		
		69	300 watt *m*	25.00		
Cayuga	658	93	100 watt *m*	16.00	1.466,74	2.23
Chatham	16,910	746	150 c.p. *s*	13.00	19,648.75	††
		19	250 c.p. *s*	16.00		
		49	600 c.p. *s*	31.00		
		37	150 c.p. orn. *s*	12.00		
		75	600 c.p. orn. *s*	30.00		
		139	1000 c.p. orn. *s*	38.00		
Chatsworth	321	41	100 watt *m*	13.00	533.00	1.66
Chesley	1,743	126	150 c.p. *s*	11.00	1,378.64	0.79
Chesterville	1,061	87	100 watt *m*	12.00	1,044.00	0.98
Chippawa	1,172	87	100 watt *m*	13.00	1,820.88	1.55
		28	200 watt *m*	25.00		
Clifford	456	64	100 watt *m*	13.00	954.00	2.09
		10	200 watt *m*	20.00		
Clinton	1,879	150	150 c.p. *s*	11.00	2,736.04	1.46
		8	100 watt *m*	11.00		
		29	300 watt *m*	31.00		
		1	500 watt *m*	55.00		
Cobden	639	38	100 watt *m*	13.50	765.00	1.20
		12	150 watt *m*	21.00		
Cobourg	5,268	175	80 c.p. *s*	11.00	5,934.63	1.13
		236	100 watt *m*	11.00		
		1	250 watt *m*	23.00		
		30	500 watt *m*	47.50		
Colborne	942	121	60 c.p. *s*	12.00	1,516.00	1.61
		6	100 watt *m*	12.00		
Coldwater	606	59	100 watt *m*	11.00	873.00	1.44
		19	200 watt *m*	17.00		
Collingwood	5,342	424	150 c.p. *s*	9.00	3,816.00	0.71

**Population not shown in Government statistics. *s* Series system. *m*·Multiple system

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STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
				$ c.	$ c.	$ c.
Comber		51	100 watt *m*	12.00	721.00	**
		7	200 watt *m*	18.00		
Cookstown		57	150 c.p. *s*	15.00	855.00	**
Cottam		32	100 watt *m*	15.00	480.00	**
Courtright	344	43	100 watt *m*	15.00	645.00	1.88
Creemore	638	63	100 watt *m*	12.00	754.00	1.18
Dashwood		44	100 watt *m*	11.00	474.82	**
Delaware		23	100 watt *m*	12.00	276.00	**
Delhi	2,544	174	100 watt *m*	12.00	2,265.12	0.89
		1	200 watt *m*	17.50		
		11	200 watt *m*	25.00		
		1	150 watt *m* (caution light)	17.50		
Deseronto	1,300	137	100 c.p. *s*	10.00	1,369.80	1.05
Dorchester		74	100 watt *m*	10.00	735.92	**
Drayton	528	80	100 watt *m*	12.00	960.00	1.82
Dresden	1,572	119	100 c.p. *s*	13.00	2,169.47	1.38
		8	400 c.p. *s*	21.50		
		12	400 c.p. *s*	23.00		
		15	50 watt (arch) *m*	4.56		
		12	100 watt (bridge) *m*	12.00		
Drumbo		41	100 watt *m*	13.00	533.00	**
Dublin		50	100 watt *m*	11.00	550.00	**
Dundalk	703	82	100 watt *m*	15.00	1,230.00	1.75
Dundas	5,012	289	100 watt *m*	12.00	5,631.00	††
		20	100 watt *m* (Memorial Square)	Free		
		12	200 watt *m*	16.00		
		6	200 watt *m*	26.00		
		54	200 watt *m*	32.00		
		5	300 watt *m*	24.00		
Dunnville	3,870	148	150 c.p. *s*	10.50	3,629.78	0.94
		27	600 c.p. *s*	31.50		
		125	100 watt *m*	10.00		
		1	150 watt *m*	12.00		
Durham	1,854	106	150 c.p. *s*	14.00	1,640.00	0.88
		6	400 c.p. *s*	22.00		
Dutton	843	115	100 watt *m*	9.00	1,035.69	1.23

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STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
				$ c.	$ c.	$ c.
East York Twp	....	1	60 watt *m*	7.80	21,755.79	**
		1,177	100 watt *m*	13.00		
		5	200 watt *m*	19.50		
		2	250 watt *m*	22.75		
		248	300 watt *m*	26.00		
		15	500 watt *m*	29.00		
Elmira.........	2,069	191	100 watt *m*	9.00	2,035.00	0.99
		8	200 watt *m*	12.00		
		1	500 watt *m*	28.00		
		2	200 watt *m*	23.00		
		4	400 watt *m*	36.50		
Elmvale.........	....	60	100 watt *m*	12.00	720.00	**
Elmwood.......	....	24	150 watt *m*	16.00	415.93	**
Elora..........	1,187	82	100 watt *m*	11.00	1,390.68	1.17
		28	200 watt *m*	16.00		
Embro.........	435	53	100 watt *m*	12.00	636.00	1.46
Erieau.........	295	28	100 watt *m*	18.00	498.00	1.69
Essex..........	1,854	135	60 watt *m*	7.50	2,279.45	††
		16	100 watt *m*	10.00		
		5	200 watt *m*	14.00		
		51	300 watt orn. *m*	18.00		
		1	500 watt orn. *m*	28.00		
		6	Empty sockets *m*	4.50		
		10	Empty sockets orn. *m*	1.50		
			Decorative lights *m*	75c. per 100 watt per month		
Etobicoke Twp..	....	2	25 watt *m*	12.50 per 100 watt	13,875.54	**
		1,038	100 watt *m*	12.50		
		22	100 watt *m*	17.00		
		8	200 watt *m*	14.50		
		2	250 watt *m*	16.00		
		9	300 watt *m*	29.00		
Exeter.........	1,654	176	100 watt *m*	9.50	2,752.67	1.66
		32	300 watt *m*	33.00		
		3	100 watt (Park) *m*	8.50		
Fergus.........	2,732	145	100 watt *m*	11.00	2,666.24	0.98
		20	150 watt *m*	14.50		
		22	300 watt orn. *m*	27.50		
		4	Traffic lights *m*	18.00		
Finch..........	347	39	100 watt *m*	12.00	468.00	1.35
Flesherton......	457	56	100 watt *m*	11.00	641.75	1.40
		1	300 watt *m*	26.00		

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STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
				$ c.	$ c.	$ c.
Fonthill........	860	72	100 watt *m*	14.00	1,446.67	1.66
		14	300 watt *m*	25.00		
Forest.........	1,520	109	60 watt *m*	7.00	2,439.00	1.60
		149	100 watt *m*	11.00		
			(Station platform) *m*	54.00		
Forest Hill.....	11,757	539	100 watt *m*	12.00	7,865.98	0.67
		3	300 watt *m*	27.00		
		28	300 watt *m*	38.00		
		5	400 watt *m*	61.00		
Fort William....	24,843	381	100 c.p. *s*	8.00	19,549.20	0.79
		58	400 c.p. *s*	18.00		
		78	600 c.p. *s*	28.00		
		239	1000 c.p. *s*	38.00		
		26	25 watt *m*	2.70		
		188	100 watt *m*	8.00		
		114	300 watt *m*	23.00		
Galt...........	14,286	989	100 c.p. *s*	9.00	16,028.05	1.12
		294	100 watt *m*	6.50		
		100	100 watt *m*	8.00		
		22	100 watt *m*	16.00		
		18	150 watt *m*	8.50		
		130	150 watt *m*	9.00		
		4	300 watt *m*	16.50		
		80	300 watt *m*	17.00		
		12	300 watt *m*	26.00		
Georgetown‡....	2,427	165	100 watt *m*	11.00	2,887.51	......
		1	300 watt *m* (floodlight)	19.00		
		5	300 watt *m*	30.00		
		16	500 watt *m*	38.50		
Glencoe........	726	115	100 watt *m*	14.00	1,989.96	2.74
		19	200 watt *m*	20.00		
Goderich.......	4,484	327	100 c.p. *s*	9.00	4,494.50	1.00
		8	100 watt *m*	15.00		
		4	250 watt *m*	18.00		
		7	400 watt *m*	35.00		
		8	500 watt *m*	37.00		
		16	600 watt *m*	52.00		
Grand Valley...	629	42	100 watt *m*	12.00	920.00	1.46
		13	300 watt *m*	32.00		
Granton........	....	37	100 watt *m*	10.00	371.31	**
Gravenhurst....	2,193	134	100 c.p. *s*	10.00	2,092.98	0.95
		4	50 watt *m*	7.50		
		20	100 watt *m*	10.00		
		12	100 watt (6 mos.) *m*	6.00		
		16	300 watt *m*	30.00		

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.
‡Includes Glen Williams.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
				$ c.	$ c.	$ c.
Guelph.........	21,518	16	50 watt *m*	4.00	19,227.06	0.89
		1,393	100 watt *m*	10.00		
		191	200 watt *m*	12.50		
		43	300 watt *m*	18.75		
		12	500 watt *m*	25.00		
		49	500 watt *m*	34.00		
		4	1000 watt *m*	46.50		
Hagersville.....	1,369	115	100 watt *m*	14.00	2,090.00	1.53
		20	300 watt *m*	22.00		
		2	1000 watt *m*	60.00		
Hamilton.......	154,690	6	40 watt *m*	4.50	124,195.48	0.80
		102	50 watt *m*	6.00–7.00		
		12	60 watt *m*	8.00		
		8,313	100 watt *m*	7.50–11.00		
		1,370	200 watt *m*	11.00-13.00		
		114	300 watt *m*	18.00-34.00		
		1,090	500 watt *m*	32.00-37.00		
		65	750 watt *m*	55.00		
		2	1000 watt *m*	70.00		
		10	500 watt (stands) *m*	40.00		
			840 watt (special) *m*	72.00		
			1280 watt (special) *m*	131.00		
		3	Danger signals *m*	28.00		
Hanover.......	3,235	94	150 c.p. *s*	17.00	2,449.33	0.76
		16	250 c.p. *s*	22.00		
		4	100 watt *m*	17.00		
		13	200 watt *m*	22.00		
Harriston.......	1,326	79	150 c.p. *s*	12.00	1,606.50	1.21
		4	100 watt *m*	12.00		
		13	150 watt *m*	13.50		
		29	200 watt *m*	15.00		
Harrow........	1,055	3	100 watt *m*	12.00	1,438.75	1.36
		86	200 watt *m*	16.50		
Hastings.......	772	65	100 watt *m*	16.00	1,308.50	1.69
		8	200 watt *m*	20.00		
			Decorative lights *m*	108.50		
Havelock.......	1,156	64	100 c.p. *s*	15.00	1,545.00	1.34
		24	250 c.p. *s*	24.00		
Hensall........	696	84	100 watt *m*	12.00	1,008.00	1.45
Hespeler.......	2,895	92	150 c.p. *s*	12.00	3,264.33	1.13
		19	250 c.p. *s*	16.00		
		15	400 c.p. (stands) *s*	30.00		
		51	150 watt *m*	11.00		
		11	250 watt *m*	20.00		
		10	300 watt *m*	21.50		
		6	300 watt (stands) *m*	28.00		
		7	300 watt (Park) *m*	35.00		

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
				$ c.	$ c.	$ c.
Highgate.......	324	40	100 watt *m*	11.00	567.00	1.75
		6	200 watt *m*	17.00		
		1	300 watt *m*	25.00		
Holstein........	....	15	100 watt *m*	23.00	345.00	**
Humberstone...	2,784	109	100 watt *m*	12.50	1,642.56	0.59
		16	200 watt *m*	17.50		
Huntsville......	2,764	4	100 c.p. *s*	12.00	2,780.00	1.01
		52	150 c.p. *s*	16.00		
		10	250 c.p. *s*	20.00		
		68	75 watt *m*	10.00		
		34	500 watt *m*	30.00		
Ingersoll.......	5,302	13	100 c.p. (6 mos.) *s*	5.50	4,841.52	††
		336	100 c.p. *s*	10.00		
		2	600 c.p. *s*	28.00		
		2	1000 c.p. (church) *s*	25.00		
		26	1000 c.p. *s*	35.00		
		12	300 watt *m*	30.00		
Jarvis..........	536	78	100 watt *m*	11.00	858.00	1.60
Kemptville.....	1,223	78	100 watt *m*	18.00	1,786.00	1.46
		17	150 watt *m*	21.00		
		1	250 watt *m*	25.00		
Kincardine.....	2,470	165	100 c.p. *s*	18.00	4,346.52	1.76
		30	100 watt *m*	13.00		
		40	200 watt *m*	23.00		
		1	1000 watt *m*	80.00		
Kingston.......	23,989	105	100 c.p. *s*	12.00	20,936.49	0.87
		269	600 c.p. *s*	35.00		
		258	600 c.p. orn. *s*	46.00		
		1	250 c.p. *s*	25.00		
Kingsville......	2,360	112	150 c.p. *s*	10.50	2,880.96	††
		25	250 c.p. *s*	15.00		
		127	100 watt *m*	10.50		
Kirkfield.......	....	24	100 watt *m*	20.00	480.00	**
Kitchener......	33,080	47	16 c.p. *s*	7.00	31,836.14	††
		2,079	80 c.p. *s*	8.00		
		167	250 c.p. *s*	13.00		
		20	1000 c.p. *s*	25.00		
		227	100 watt *m*	9.00		
		467	200 watt *m*	14.00		
		58	300 watt *m*	17.50		
		109	500 watt *m*	25.00		
Lakefield.......	1,413	114	100 watt *m*	15.00	1,710.00	1.21
Lambeth.......	....	13	100 watt *m*	11.00	752.46	**
		20	300 watt *m*	31.00		

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STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
				$ c.	$ c.	$ c.
Lanark.........	734	43	100 watt *m*	13.00	559.00	0.76
Lancaster......	563	41	100 watt *m*	12.00	512.00	0.91
		1	200 watt *m*	20.00		
La Salle........	873	67	100 watt *m*	12.00	804.00	0.92
Leamington.....	5,811	184	250 c.p. *s*	15.00	5,418.12	††
		5	600 c.p. *s*	25.00		
		193	100 watt *m*	13.00		
		5	200 watt *m*	17.00		
		3	300 watt *m*	21.00		
		4	500 watt *m*	35.00		
Lindsay........	7,203	424	100 c.p. *s*	11.00	6,250.11	0.87
		27	1000 c.p. *s*	60.00		
Listowell.......	2,892	310	100 watt *m*	10.00	4,465.39	††
		10	200 watt *m*	25.00		
		35	500 watt *m*	35.00		
London........	74,000	1,504	150 c.p. *s*	10.00-11.00	56,307.59	††
		353	400 c.p. *s*	18.00-24.00		
		205	600 c.p. *s*	28.00-30.00		
		2	50 watt *m*	5.00		
		660	100 watt *m*	10.00-14.00		
		4	150 watt *m*	12.00		
		12	200 watt *m*	9.34		
		39	200 watt *m*	14.00		
		667	300 watt *m*	18.00-20.00		
		173	500 watt *m*	35.00-40.00		
		1	750 watt stands. *m*	50.00		
London Twp....	....	65	100 watt *m*	12.00	1,245.70	**
		6	100 watt *m*	21.50		
		1	200 watt *m*	16.50		
		10	300 watt *m*	30.00		
		1	300 watt *m*	31.00		
Long Branch....	4,200	199	100 watt *m*	13.00	4,564.44	1.09
		113	200 watt *m*	17.50		
Lucan..........	599	59	100 watt *m*	14.00	1,518.96	2.54
		21	300 watt *m*	33.00		
Lucknow.......	1,015	69	100 watt *m*	15.00	1,462.50	1.44
		18	200 watt *m*	25.00		
Lynden........	....	44	100 watt *m*	10.00	440.00	**
Madoc.........	1,054	340	25 watt *m*	3.00	1,350.00	1.28
		69	100 watt *m*	5.00		
Markdale.......	795	11	100 c.p. *s*	10.00	1,010.00	1.27
		81	100 watt *m*	10.00		

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalitiees, December 31, 1940; showing Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
				$ c.	$ c.	$ c.
Markham	1,170	119	100 watt *m*	11.00	1,309.00	1.12
Marmora	997	44	75 watt *m*	13.00	1,298.00	1.30
		24	100 watt *m*	16.00		
		19	150 watt *m*	18.00		
Martintown	....	16	100 watt *m*	11.00	176.00	**
Maxville	760	68	150 watt *m*	17.00	1,148.75	1.51
Meaford	2,759	189	150 c.p. *s*	11.00	3,037.57	1.10
		28	100 watt *m*	11.00		
		34	200 watt *m*	19.00		
Merlin	....	35	100 watt *m*	15.00	738.67	**
		12	200 watt *m*	21.00		
			Decorative lights *m*	51c. per 100 watts per month		
Merritton	2,656	312	100 watt *m*	9.00	3,354.00	1.26
		26	200 watt *m*	21.00		
Midland	6,600	328	150 c.p. *s*	11.00	6,376.00	0.97
		52	100 watt *m*	11.00		
		30	300 watt *m*	22.00		
		8‡	300 watt (6 mos.) *m*	12.00		
		36	500 watt *m*	40.00		
Mildmay	756	47	100 watt *m*	10.00	661.76	0.88
		11	150 watt *m*	16.00		
Millbrook	728	35	60 watt *m*	12.00	782.90	1.08
		20	100 watt *m*	14.00		
		3	300 watt *m*	25.00		
Milton	1,903	127	100 watt *m*	9.50	1,953,32	1.03
		25	300 watt *m*	30.00		
Milverton	997	99	100 watt *m*	9.00	1,035.00	1.04
		12	200 watt *m*	12.00		
Mimico	7,012	312	100 watt *m*	12.00	8,226.32	1.17
		73	200 watt *m*	20.00		
		119	300 watt *m*	26.00		
Mitchell	1,666	196	150 c.p. *s*	9.00	2,552.00	1.53
		1	100 watt *m*	5.00		
		27	300 watt *m*	29.00		
Moorefield	....	25	100 watt *m*	13.00	325.00	**
Morrisburg	1,555	221	100 watt *m*	11.00	2,454.22	1.58
			Decorative lights *m*	23.22		

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.
‡Dock lights owned by Dominion Government.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps		Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
					$ c.	$ c.	$ c.
Mount Brydges	....	47	100 watt	m	10.00	844.00	**
		1	200 watt	m	17.00		
		17	200 watt orn.	m	21.00		
Mount Forest	1,909	163	100 watt	m	10.00	2,270.02	1.19
		37	150 watt	m	13.00		
		3	200 watt	m	15.00		
		6	300 watt	m	20.00		
Napanee	3,234	156	100 watt	m	12.00	4,239.00	1.31
		2	250 watt	m	28.00		
		2	250 watt	m	30.00		
		5	300 watt	m	27.00		
		40	300 watt	m	34.00		
		21	400 watt	m	36.00		
Neustadt	468	39	150 c.p.	s	18.00	702.00	1.50
Newbury	275	48	100 watt	m	15.00	720.00	2.62
Newcastle	698	51	60 watt	m	11.00	593.44	0.85
		2	100 watt	m	14.00		
New Hamburg	1,446	165	100 watt	m	9.00	2,217.00	1.53
		61	200 watt	m	12.00		
New Toronto	7,175	103	75 watt	m	13.00	7,493.25	1.04
		8	150 watt	m	15.50		
		16	200 watt	m	17.00		
		247	300 watt	m	21.00-24.00		
		3	1000 watt	m	52.00		
Niagara Falls	18,770	844	100 c.p.	s	11.00	27,485.43	1 46
		13	250 c.p.	s	13.00		
		64	600 c.p.	s	18.00		
		225	600 c.p. orn.	s	37.00		
		196	1000 c.p. orn.	s	42.00		
		1	100 watt	m	11.00		
Niagara-on-the-Lake	1,764	217	100 watt	m	11.00	3,630.65	2.06
		5	200 watt	m	18.00		
		58	300 watt	m	20.00		
Nipigon	....	29	100 watt	m	11.00	676.00	**
		17	200 watt	m	21.00		
North York	....	180	100 watt	m	12.00-18.00	4,128.67	**
		66	200 watt	m	19.00-23.00		
		1	400 watt (floodlight)	m	31.00		
		2	1000 watt (floodlight)	m	65.00		
		1	500 watt	m	25.80		
		1	100 watt (Police sign)	m	12.00		
		1	Safety light	m	30.00		

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
				$ c.	$ c.	$ c.
Norwich	1,302	112	100 watt *m*	10.00	2,100.00	1.61
		28	400 watt *m*	35.00		
Norwood	703	77	100 watt *m*	18.00	1,596.00	2.27
		10	250 watt *m*	21.00		
Oil Springs	515	41	100 watt *m*	18.00	768.00	1.49
		1	300 watt (6 mos.) *m*	30.00		
Omemee	547	52	100 c.p. *s*	14.00	1,061.28	1.94
		4	100 watt *m*	12.50		
		10	250 watt *m*	28.00		
Orangeville	2,608	100	150 c.p. *s*	10.00	2,680.37	1.03
		51	250 c.p. *s*	16.00		
		38	300 watt *m*	23.00		
Orono	....	51	100 watt *m*	15.00	713.37	**
Oshawa	24,938	867	100 c.p. *s*	11.00	12,142.82	0.48
		51	100 watt *m*	12.00		
		112	150 watt *m*	13.00		
		30	200 watt *m*	18.00		
		1	500 watt *m*	27.00		
Ottawa	145,183	347	100 c.p. *s*	7.00	80,491.73	0.55
		876	400 c.p. *s*	25.00		
		909	600 c.p. *s*	35.00		
		59	Arc lamps *s*	45.00		
		779	100 watt *m*	6.00		
		44	500 watt *m*	35.00		
		2,795	100 watt (Whiteway) *m*	48c. per foot		
		30	100 watt *m*	5½c. per foot		
Otterville	....	62	100 watt *m*	11.00	867.43	**
		13	200 watt *m*	16.00		
Owen Sound	13,659	452	150 c.p. *s*	11.00	11,825.00	0.87
		343	400 c.p. *s*	14.00		
		16	600 c.p. *s*	21.00		
		47	1000 c.p. *s*	35.00		
Paisley	727	90	100 watt *m*	13.00	1,170.00	1.61
Palmerston	1,393	66	80 c.p. *s*	9.00	2,648.66	1.90
		1	400 c.p *s*	25.00		
		11	60 watt *m*	9.00		
		25	100 watt *m*	10.00		
		9	150 watt *m*	10.00		
		4	250 watt *m*	25.00		
		19	300 watt *m*	25.00		
		1	500 watt *m*	35.00		
		32	300 watt stands. *m*	30.00		

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
				$ c.	$ c.	$ c.
Paris	4,409	478	100 c.p. *s*	8.50	5,595.00	1.27
		2	60 watt *m*	7.00		
		10	400 watt *m*	28.00		
		34	500 watt *m*	35.00		
Parkhill	1,022	89	100 watt *m*	14.00	1,577.04	1.54
		15	200 watt *m*	23.00		
Penetanguishene	4,076	193	100 c.p. *s*	11.00	2,298.79	0.56
		4	100 watt *m*	11.00		
		1	200 watt *m*	15.00		
		6	300 watt *m*	20.00		
Perth	4,182	83	100 c.p. *s*	17.00	2,854.00	0.68
		14	250 c.p. *s*	27.00		
		7	400 c.p. *s*	30.00		
		19	600 c.p. *s*	45.00		
Peterborough	24,017	122	60 watt *m*	12.00	22,411.02	0.93
		374	100 watt *m*	13.00		
		613	300 watt *m*	20.00		
		85	300 watt *m*	45.00		
Petrolia	2,772	147	150 c.p. *s*	12.00	2,820.00	1.04
		24	300 c.p. *s*	43.00		
		1	300 watt *m*	24.00		
Picton	3,582	326	100 c.p. *s*	9.00	3,935.79	1.10
		3	250 c.p. *s*	15.00		
		29	600 c.p. *s*	31.00		
			Decorative lights *s*	90.00		
Plattsville	....	34	100 watt *m*	12.00	408.00	**
Point Edward	1,177	102	150 c.p. *s*	13.00	1,751.80	1.49
		19	250 c.p. *s*	20.00		
		4	400 c.p. *s*	22.00		
Port Arthur	21,284	2,709	100 watt *m*	5.00	19,532.06	0.92
		232	300 watt *m*	10.00		
		208	500 watt *m*	15.00		
Port Colborne	6,483	15	400 c.p. *s*	25.00	8,688.54	††
		78	600 c.p. *s*	30.00		
		34	100 watt *m*	12.00		
		228	100 watt *m*	14.00		
		132	200 watt *m*	18.00		
Port Credit	1,906	15	100 watt (4 mos.) *m*	9.50	2,802.88	1.47
		279	100 watt *m*	9.50		
		7	200 watt *m*	16.00		
Port Dalhousie	1,595	129	100 watt *m*	12.00	1,578.00	0.99
		2	200 watt *m*	15.00		

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

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STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
				$ c.	$ c.	$ c.
Port Dover	1,864	204	100 watt *m*	10.00	2,739.02	1.47
		14	300 watt *m*	18.00		
		32	100 watt (Summer) *m*	6.00		
		4	300 watt (Summer) *m*	10.00		
		306	25 watt (decorative) *m*	67c. per 100 watts per month		
Port Elgin	1,374	103	100 watt (3 mos.) *m*	14.00	2,612.50	1.90
		120	100 watt *m*	14.00		
		26	200 watt *m*	22.00		
Port Hope	4,812	403	100 c.p. *s*	10.00	4,122.48	0.86
		2	250 c.p. *s*	22.00		
		2	200 watt *m*	14.50		
		3	300 watt *m*	20.50		
Port McNicoll	940	66	100 watt *m*	10.00	964.00	1.03
		19	200 watt *m*	16.00		
Port Perry	1,145	91	100 watt *m*	15.00	1,665.00	1.45
		10	300 watt *m*	30.00		
Port Rowan	706	56	100 watt *m*	14.00	818.66	1.16
Port Stanley	824	218	100 watt *m*	11.00	2,502.60	3.04
		8	200 watt *m*	14.00		
Prescott	2,925	78	100 watt *m*	10.00	3,644.70	1.25
		218	200 watt *m*	17.50		
Preston	6,292	134	150 c.p. *s*	11.00	5,517.45	0.88
		218	100 watt *m*	11.00		
		9	250 watt *m*	20.00		
		40	500 watt *m*	32.00		
		5	500 watt stands. *m*	35.00		
Priceville	....	16	100 watt *m*	30.00	480.00	**
Princeton	....	39	100 watt *m*	12.00	468.00	**
Queenston	....	24	100 watt *m*	16.00	384.00	**
Richmond	409	26	100 watt *m*	15.00	390.00	0.95
Richmond Hill	1,317	105	75 watt *m*	11.00	1,494.09	1.13
		19	100 watt *m*	12.00		
		9	200 watt *m*	16.00		
Ridgetown	1,981	181	150 c.p. *s*	8.50	3,501.29	††
		1	1000 c.p. *s*	38.00		
		91	100 watt *m*	8.50		
		17	200 watt *m*	16.00		
		2	200 watt orn. *m*	16.00		
		2	250 watt *m*	18.00		
		20	500 watt *m*	33.00		

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
				$ c.	$ c.	$ c.
Ripley	439	36	100 watt *m*	17.00	969.50	2.21
		13	200 watt *m*	30.00		
Riverside	5,086	275	75 watt *m*	9.00	3,746.79	††
		71	150 watt *m*	13.00		
		14	200 watt *m*	15.00		
		10	300 watt *m*	18.50		
Rockwood	....	90	100 watt *m*	9.00	799.50	**
Rodney	763	70	100 watt *m*	10.00	1,273.33	1.67
		23	300 watt *m*	25.00		
Rosseau	310	47	100 watt *m*	30.00	1,410.00	4.55
Russell	....	50	100 watt *m*	16.00	800.00	**
St. Catharines	27,756	2,205	100 watt *m*	8.00	26,589.59	††
		148	200 watt *m*	11.00		
		5	500 watt *m*	20.00		
		10	1000 watt *m*	40.00		
		19	100 watt orn. *m*	10.00		
		71	200 watt orn. *m*	20.00		
		106	500 watt orn. *m*	34.00		
		31	200 watt special *m*	14.00		
		17	500 watt (bridge) *m*	20.00		
St. George	....	40	100 watt *m*	11.00	523.00	**
		3	200 watt *m*	15.00		
		1	750 watt *m*	38.00		
St. Jacobs	....	43	100 watt *m*	10.00	430.00	**
St. Marys	4,018	237	100 c.p. *s*	10.50	4,895.75	1.22
		106	250 c.p. *s*	14.00		
		20	150 watt *m*	12.00		
		32	300 watt *m*	22.00		
St. Thomas	16,362	1,105	100 c.p. *s*	9.00	14,927.54	††
		28	250 c.p. *s*	13.00		
		114	600 c.p. *s*	34.00		
		2	600 c.p. *s*	32.00		
		6	60 watt *m*	4.50		
		32	100 watt (5 mos.) *m*	5.00		
		2	100 watt *m*	10.00		
		22	300 watt *m*	22.00		
Sarnia	18,218	1,081	150 c.p. *s*	12.00	20,298.73	††
		55	250 c.p. *s*	16.50		
		72	400 c.p. *s*	22.00		
		77	600 c.p. *s*	35.00		
		14	600 c.p. *s*	45.00		
		7	100 watt *m*	12.00		
		8	150 watt *m*	16.50		
		5	250 watt *m*	22.00		
		14	300 watt *m*	32.00		

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

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STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps		Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
					$ c.	$ c.	$ c.
Scarboro Twp...	....	208	100 c.p.	*s*	12.00	15,432.08	**
		10	Empty sockets	*s*	9.00		
		4	250 c.p.	*s*	17.00		
		20	40 watt	*m*	12.00		
		2	60 watt	*m*	18.00		
		466	100 watt	*m*	11.50-17.50		
		43	200 watt	*m*	15.50-21.00		
		236	300 watt	*m*	24.00-26.00		
		21	Empty sockets	*m*	9.00		
		25	Empty sockets	*m*	14.50		
Seaforth........	1,771	120	100 c.p.	*s*	9.50	2,039.00	1.15
		31	300 watt orn.	*m*	29.00		
Shelburne......	1,018	98	150 c.p.	*s*	9.00	882.00	0.87
Simcoe.........	6,263	290	100 c.p.	*s*	11.00	5,133.31	††
		11	250 c.p.	*s*	15.00		
		13	400 c.p.	*s*	18.00		
		27	1000 c.p.	*s*	40.00		
		11	150 watt	*m*	11.00		
		8	200 watt	*m*	15.00		
		6	200 watt orn.	*m*	24.00		
		1	500 watt	*m*	53.00		
		1	1000 watt	*m*	60.00		
Sioux Lookout...	1,933	92	100 watt	*m*	21.00	1,921.50	0.99
Smiths Falls....	7,672	18	50 watt	*m*	9.00	7,489.92	0.98
		101	100 watt	*m*	14.00		
		2	200 watt	*m*	20.00		
		267	300 watt	*m*	22.00		
Southampton...	1,515	114	100 watt	*m*	12.00	2,467.68	1.63
		55	250 watt	*m*	17.00		
		50	60 watt (3 mos.)	*m*	12.00		
		1	Decorative string	*m*	36.00		
Springfield......	395	3	100 watt	*m*	9.50	611.50	1.55
		53	100 watt	*m*	11.00		
Stamford Twp..	....	907	100 watt	*m*	9.00	8,151.38	**
Stayner........	1,013	84	150 c.p.	*s*	10.00	1,192.00	1.18
		22	200 watt	*m*	16.00		
Stirling.........	981	110	150 watt	*m*	10.00	1,637.04	1.67
		2	300 watt	*m*	24.75		
		15	500 watt	*m*	32.50		
Stouffville......	1,192	127	100 watt	*m*	11.00	1,397.00	1.17
Stratford.......	17,159	893	100 c.p.	*s*	10.00	17,019.71	0.99
		82	600 c.p.	*s*	25.00		
		131	600 c.p.	*s*	30.00		
		49	1000 c.p.	*s*	34.00		
		11	1000 c.p.	*s*	35.00		
		4	500 c.p.	*s*	34.00		

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

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STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps		Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
					$ c.	$ c.	$ c.
Strathroy	2,806	303	100 c.p.	s	9.00	4,095.96	1.46
		21	250 c.p.	s	15.00		
		17	600 c.p.	s	62.00		
Streetsville	697	42	100 watt	m	10.50	1,298.50	1.86
		29	200 watt	m	15.00		
		13	500 watt	m	32.50		
Sudbury	29,186	749	100 c.p.	s	12.00	23,872.76	0.82
		226	250 c.p.	s	16.00		
		4	600 c.p.	s	28.00		
		42	600 c.p.	s	50.00		
		15	1000 c.p.	s	57.00		
		71	1500 c.p.	s	65.00		
		68	Mercury vapour	s	65.00		
Sunderland	....	29	100 watt	m	20.00	734.60	**
		5	500 watt	m	35.00		
Sutton	853	129	100 watt	m	13.00	2,094.46	2.46
		31	200 watt	m	17.00		
Swansea	6,375	233	100 watt	m	12.00	3,877.69	0.61
		59	200 watt	m	19.00		
Tara	483	54	100 watt	m	11.00	1,104.00	2.29
		17	300 watt	m	30.00		
Tavistock	1,080	85	100 watt	m	10.00	1,317.60	1.22
		39	200 watt	m	12.00		
Tecumseh	2,237	18	400 c.p.	s	22.00	1,355.00	††
		79	100 watt	m	12.00		
		1	300 watt	m	24.00		
Teeswater	840	48	100 c.p.	s	13.00	1,107.60	1.32
		15	250 c.p.	s	26.00		
Thamesford	....	47	100 watt	m	11.00	519.75	**
Thamesville	826	69	100 watt	m	9.00	1,329.68	1.61
		34	200 watt	m	15.50		
		7	200 watt orn.	m	18.00		
		1	250 watt	m	17.50		
		1	Decorative string	m	38.18		
Thedford	648	71	100 watt	m	15.00	1,065.00	1.64
Thorndale	....	32	100 watt	m	12.00	384.00	**
Thornton	....	25	100 watt	m	25.00	625.00	**
Thorold	5,038	413	75 watt	m	7.50	3,518.40	0.70
		2	100 watt	m	8.00		
		35	200 watt	m	12.00		
		2	300 watt	m	15.00		

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Population	Number of lamps	Size and Style of lamps	Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
				$ c.	$ c.	$ c.
Tilbury	1,989	109	100 watt *m*	12.00	1,856.14	0.93
		25	200 watt *m*	20.00		
		164	25 watt *m*	38c. per 100 watts per month		
Tillsonburg	4,376	288	100 c.p. *s*	9.50	5,124.87	1.17
		6	250 c.p. *s*	13.00		
		12	300 watt *m*	32.00		
		44	500 watt *m*	42.00		
		1	Traffic light *m*	18.36		
			Decorative lights *m*	120.00		
Toronto	649,123	39,622	100 watt *m*	8.00–10.00	495,181.60	0.76
		4,210	200 watt *m*	14.00–20.00		
		1,438	300 watt *m*	20.00–25.00		
		191	500 watt *m*	35.00–40.00		
		391	1-lt. stds. 300 w. *m*	40.00		
		360	1-lt. stds. 500 w. *m*	47.50		
		147	5-lt. stds. 500 w. *m*	47.50		
Toronto Twp.	....	457	100 watt *m*	11.50	5,107.08	**
Tottenham	532	49	150 c.p. *s*	18.00	882.00	1.66
Trenton	7,222	48	600 c.p. *s*	63.00	7,559.21	1.05
		312	100 watt *m*	10.50		
		53	200 watt *m*	23.00		
		1	500 watt *m*	63.00		
Tweed	1,246	138	100 c.p. *s*	13.00	1,774.08	1.42
		2	100 c.p. (specials) *s*	15.00		
Uxbridge	1,535	134	100 watt *m*	11.00	1,607.13	1.05
		6	100 watt (5 mos.) *m*	8.00		
		1	200 watt *m*	16.00		
		1	200 watt (5 mos.) *m*	11.00		
		3	300 watt *m*	20.00		
Victoria Harbour	979	78	100 watt *m*	8.50	663.00	0.68
Walkerton	2,523	120	150 c.p. *s*	14.00	2,874.52	1.14
		40	250 c.p. *s*	24.50		
		8	100 watt *m*	14.00		
		1	50 watt *m*	6.00		
			Decorative lights *m*	100.00		
Wallaceburg	4,783	224	150 c.p. *s*	12.00	4,802.04	1.00
		18	400 c.p. *s*	22.00		
		56	300 watt *m*	31.00		
Wardsville	233	36	100 watt *m*	20.00	720.00	3.09
Warkworth	....	42	100 watt *m*	13.00	615.00	**
		3	200 watt *m*	23.00		
Waterdown	892	70	100 watt *m*	10.00	1,092.50	1.22
		3	200 watt *m*	17.50		
		17	300 watt *m*	20.00		

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
				$ c.	$ c.	$ c.
Waterford	1,284	156	100 watt *m*	8.00	1,488.00	1.16
		10	200 watt *m*	15.00		
		1	500 watt *m*	25.00		
Waterloo	8,623	385	80 c.p. *s*	8.00	7,849.96	††
		120	100 c.p. *s*	10.00		
		93	150 watt *m*	10.00		
		5	200 watt *m*	12.00		
		18	300 watt *m*	21.00		
		3	500 watt *m*	30.00		
		9	500 wtat *m*	35.00		
		10	300 watt 3-lt.stds. *m*	25.00		
		44	450 watt 5-lt.stds. *m*	36.00		
Watford	970	90	100 watt *m*	12.50	1,620.96	1.67
		16	300 watt *m*	31.00		
Waubaushene	....	48	100 watt *m*	9.00	482.00	**
		10	100 watt (5 mos.) *m*	5.00		
Welland	11,205	175	600 c.p. *s*	30.00	11,514.59	††
		7	600 c.p. (Park) *s*	30.00		
		451	100 watt *m*	11.00		
		26	200 watt *m*	18.00		
		31	300 watt *m*	25.00		
		6	300 watt orn. *m*	30.00		
		3	500 watt *m*	28.00		
		6	Empty sockets *m*	18.00		
Wellesley	....	60	100 watt *m*	11.00	660.00	**
Wellington	934	84	100 c.p. *s*	12.00	1,102.98	1.18
		5	150 c.p. *s*	19.00		
West Lorne	783	88	100 watt *m*	10.00	1,060.02	1.35
		10	200 watt *m*	18.00		
Weston	5,289	424	100 c.p. *s*	7.50	7,287.13	1.38
		15	100 c.p. *s*	9.50		
		111	600 c.p. *s*	30.00		
		5	100 watt 5-lt.stds. *m*	21.00		
		20	300 watt *m*	11.00		
		2	Municipal signs *m*	110.00		
Westport	710	2	50 watt *m*	10.00	1,372.19	1.93
		72	100 watt *m*	19.00		
Wheatley	764	64	100 watt *m*	13.00	1,528.12	2.00
		45	150 watt *m*	16.00		
Whitby	3,863	120	80 c.p. *s*	11.00	4,896.14	1.26
		70	100 c.p. *s*	12.00		
		112	100 watt *m*	9.50		
		2	500 watt *m*	15.00		
		30	500 watt *m*	48.00		

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

STATEMENT "C"—Concluded

Street Lighting Installation in Hydro Municipalities, December 31, 1940; showing Rate per Lamp, Cost to Municipality in 1940, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1940	Cost per capita
				$ c.	$ c.	$ c.
Wiarton........	1,760	114	100 watt *m*	14.00	2,309.56	1.31
		27	200 watt *m*	23.00		
Williamsburg....	....	12	100 watt *m*	15.00	286.92	**
			Decorative lights *m*	106.92		
Winchester.....	1,059	118	100 watt *m*	8.00	944.00	0.89
Windermere....	118	13	100 watt *m*	25.00	325.00	2.75
Windsor........	102,680	802	100 c.p. *s*	11.00	107,669.02	††
		125	250 c.p. *s*	15.00		
		267	400 c.p. *s*	19.00		
		4	600 c.p. *s*	26.00		
		2,416	100 c.p. orn. *s*	13.00		
		846	250 c.p. orn. *s*	17.00		
		834	400 c.p. orn. *s*	21.50		
		49	600 c.p. orn. *s*	29.50		
		47	1000 c.p. orn. *s*	39.50		
		76	100 watt *m*	8.50		
		2	150 watt *m*	11.50		
		165	200 watt *m*	13.50		
		69	300 watt *m*	19.00		
		1,475	100 watt orn. *m*	10.00		
		172	150 watt orn. *m*	13.00		
		227	200 watt orn. *m*	15.00		
		2	300 watt orn. *m*	24.50		
		6	500 watt orn. *m*	32.00		
Wingham.......	2,149	108	150 c.p. *s*	15.00	3,100.00	1.44
		25	250 c.p. *s*	27.00		
		22	200 watt *m*	27.00		
		8	Strings 200 watts each *m*	45c. per 100 watts per month		
Woodbridge....	914	94	100 watt *m*	10.00	1,067.92	1.17
		2	300 watt *m*	23.00		
Woodstock.....	11,418	556	100 c.p. *s*	8.00	8,845.41	0.77
		11	250 c.p. *s*	20.00		
		138	100 watt *m*	8.00		
		4	150 watt *m*	12.00		
		42	200 watt *m*	16.00		
		1	250 watt (floodlight) *m*	12.00		
		99	300 watt *m*	24.00		
Woodville......	425	37	100 watt *m*	12.00	634.02	1.49
		5	500 watt *m*	38.00		
Wyoming.......	530	52	100 watt *m*	15.00	780.00	1.47
Zurich.........	....	63	100 watt *m*	11.00	693.00	**

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

STATEMENT "D"

(pages 326 to 343)

Statistics relating to the Supply of Electrical Energy to Consumers in Ontario Urban Municipalities Served by The Hydro-Electric Power Commission for the year 1940

STATEMENT "E"

(pages 344 to 359)

Cost of Power to Municipalities and Rates to Consumers for Domestic Service—Commercial Light Service—Power Service in Ontario Urban Municipalities Served by The Hydro-Electric Power Commission for the year 1940

STATEMENT "D"

Statistics Relating to the Supply of Electrical Energy to Consumers in Urban Municipalities Served by The Hydro-Electric Power Commission

Regarding the results of Hydro operation from the standpoint of the consumers, the following tabulation gives much useful and interesting information. For each main class of service in each urban municipal utility receiving power at cost from the Commission, Statement "D" lists the revenue, the consumption and the number of consumers, together with unit average costs and consumptions and other pertinent data.

The policy and practice of the Commission has been, and is, to make as widespread and beneficial a distribution of electrical energy as possible, and to extend to every community that can economically be reached by transmission lines, the benefit of electrical service. Even where, in certain localities, by reason of the distance from a source of supply or on account of the small quantity of power required by the municipality, the cost per horsepower to the municipality—and, consequently, the cost of service to the consumer—must unavoidably be higher than in more favourably situated communities, service has not been withheld when the consumers were able and willing to pay the cost.

The accompanying diagram summarizes graphically certain data of Statement "D" respecting the average cost to the consumer. It will be observed that the total amount of energy sold in municipalities where circumstances necessitate rates which result in the higher average costs to the consumer is relatively insignificant. With respect to power service, it should be noted that the statistics of Statement "D", and of the diagram, cover mainly retail power service supplied to the smaller industrial consumers. The average amount of power taken by the industrial consumers served by the municipalities is about 45 horsepower. The Commission serves certain large power consumers direct on behalf of the various systems of municipalities.

It should be kept in mind that the revenues reported in Statement "D", and used for purposes of calculating the net unit costs to the consumer, are the total revenues contributed by the consumers, and provide, in addition to the cost of power, sums specifically applicable to the retirement of capital, and also operating surplus which is in part applied to retirement of capital or extension of plant and is in part returned in cash to the consumers.

It should also be noted that average costs per kilowatt-hour or per horsepower if employed indiscriminately as a criterion by means of which to compare the rates or prices for electrical service in various municipalities, will give misleading results. The average cost per kilowatt-hour, as given in Statement "D" for respective classes of service in each municipality, are statistical results obtained by dividing the respective revenues by the aggregate kilowatt-hours sold. As such, the data reflect the combined influence of a number of factors, of which the rates or prices to consumers are but one factor. Owing to the varying influence of factors other than the rates, it is seldom found that in any two municipalities the average cost per kilowatt-hour to the consumers, even of the same classification, is in proportion to the respective rates for service. Instances even occur where for a class of consumers in one municipality, the average costs per kilowatt-hour are substantially lower than for the same class in another municipality, even though the rates are higher.

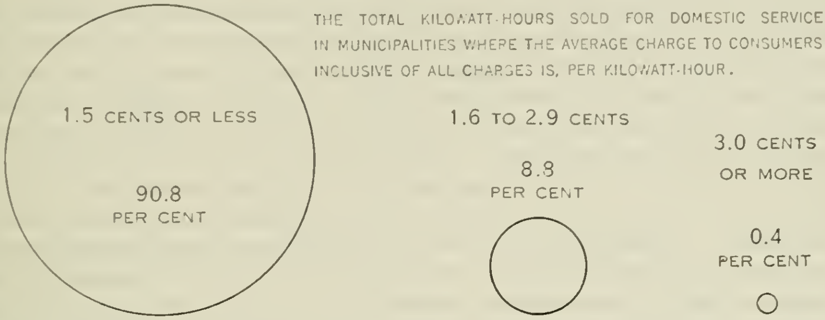
COST OF ELECTRICAL SERVICE

IN MUNICIPALITIES SERVED BY

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

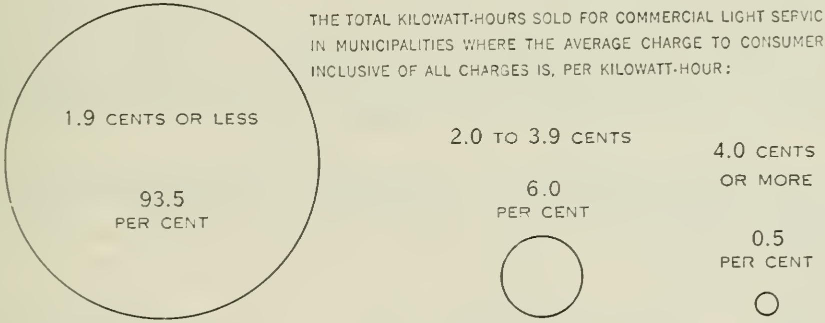
DOMESTIC SERVICE

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE TOTAL KILOWATT-HOURS SOLD FOR DOMESTIC SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER KILOWATT-HOUR.



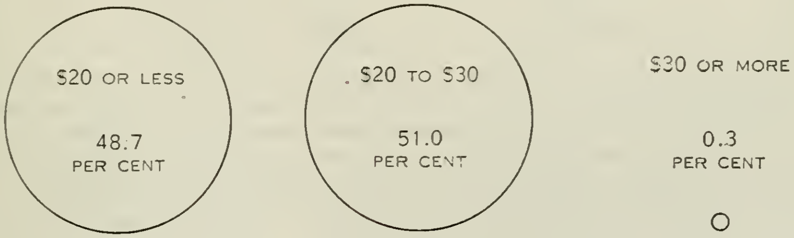
COMMERCIAL LIGHT SERVICE

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE TOTAL KILOWATT-HOURS SOLD FOR COMMERCIAL LIGHT SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER KILOWATT-HOUR:



POWER SERVICE SUPPLIED BY MUNICIPALITIES

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE AGGREGATE HORSEPOWER SOLD FOR POWER SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER HORSEPOWER PER YEAR:



With respect to domestic service, for example, instances may be observed where two municipalities have identical prices or rates for domestic service, but the average cost per kilowatt-hour to the consumer varies by as much as 50 per cent or more. Such variations are due principally to differences in the extent of utilization of the service for the operation of electric ranges, water heaters and other appliances, an indication of which is afforded by the statistics of average monthly consumption.

In the case of power service, average unit costs are still less reliable as an indication of the relative rates for service in different municipalities. In the case of hydro-electric power supplied to industries at cost, the rate schedules incorporate charges both for demand and for energy consumption, and thus, although the quantity of power taken by a consumer—that is, the demand as measured in horsepower—is the most important factor affecting costs and revenues, it is not the only one. The number of hours the power is used in the month or year—which, in conjunction with the power, determines the energy consumption, as measured in kilowatt-hours—also affects the costs and revenues. Consequently, in two municipalities charging the same rates for power service, the average cost per horsepower to the consumer will vary in accordance with the consumers' average number of hours' use of the power per month. A greater average energy consumption per horsepower increases the average cost per horsepower and decreases the average cost per kilowatt-hour to the consumer, and *vice versa.**

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*In view of the fact that the data of Statement "D" have been misinterpreted in the making of certain comparisons as to the cost of electricity in various territories, it is desirable to add a word of caution respecting their significance. Essentially, the average cost or revenue per kilowatt-hour is *not a criterion of rates* even with similar forms of rate schedules and for the same class of service. Particularly is this true when revenues and consumptions of all classes of service and of all kinds of rate schedules, are indiscriminately lumped together in order to deduce a so-called "average cost or rate per kilowatt-hour" for all services.

In one community rates for each class of service, and the cost to every consumer in each class for any given service and consumption, may be substantially higher than in another community, and yet there may be in the former community a lower "average revenue per kilowatt-hour."

EXAMPLE.—Assume sales of electrical energy by two electric utilities, A and B, in each case 10,000,000 kilowatt-hours.

Class of service	CASE A Higher rates and lower revenues per kilowatt-hour			CASE B Lower rates and higher revenues per kilowatt-hour		
	Energy sales	Rate per kw-hr.	Revenue	Energy sales	Rate per kw-hr.	Revenue
	kw-hr.	cents	$	kw-hr.	cents	$
Residence..........	1,000,000	4	40,000	3,000,000	3	90,000
Power............	9,000,000	1	90,000	7,000,000	0.75	52,500
Total...........	10,000,000	....	130,000	10,000,000	....	142,500
Average revenue.....	1.3 cents per kw-hr.			1.425 cents per kw-hr.		

It will be observed that in Case A *the rates* both for residence and for power service are 33 per cent *higher* than in Case B, but the *average revenue* per kilowatt-hour is nearly 9 per cent less.

In this instance, the explanation lies in the *relative quantities* of energy sold to each class. Service to large power consumers entails a smaller capital investment in distribution lines and equipment and lower operating costs per kilowatt-hour delivered, than does service to domestic and to commercial light consumers, and even where the rates for all classes of service are low, produces a smaller average revenue per kilowatt-hour. Consequently, if one electrical utility as compared with another sells a larger proportion of its energy for power purposes, its "average revenue per kilowatt-hour" may easily be lower than that of the other utility even though its rates for every class of service are substantially higher.

Although the derived statistics of Statement "D" are valueless as a means of comparing the *rates* in one municipality with those in another, they nevertheless fulfil a function in affording a general measure of the *economy of service* to consumers in the co-operating Ontario municipalities—an economy that has resulted primarily from the low rates themselves, and secondarily from the extensive use of the service that has been made possible by the low rates.

Actual bills rendered to typical consumers for similar service under closely comparable circumstances constitute the best basis for making comparisons. In researches respecting rates to consumers therefore the actual *rate schedules* of Statement "E" should be employed, and not statistics of average revenues per kilowatt-hour, as these are valueless for rate comparisons —and particularly so when all classifications of service are combined.

In any consideration of the relative economies of electrical service in the various municipalities—whether based on the actual rates for service as set forth in Statement "E", or on the derived statistics resulting from the rates and other factors as presented in Statement "D"—full account should be taken respectively of the influence upon costs of such factors as the size of the municipality, the distance from the source of power, the features of the power developments, the sizes and concentrations of adjacent markets for electricity, and the sizes and characters of the loads supplied under the various classifications by the local electrical utility to the consumers.

In Statement "D" account has been taken of the sizes of municipalities by grouping them according to whether they are (i) cities—over 10,000 population; (ii) towns of 2,000 to 10,000 population; or (iii) small towns (under 2,000 population), villages, and suburban areas in townships (which are comparable in respect of conditions of supply to the smaller towns and villages). The populations are also given, and the situation of any municipality with respect to transmission lines and power supplies may be ascertained by consulting the maps at the end of the Report.

A feature of the electrical service in Ontario municipalities served by The Hydro-Electric Power Commission is the strikingly large average annual consumption per domestic consumer. There are very few Ontario urban municipalities where the average annual consumption per domestic consumer is less than 600 kilowatt-hours. Of the 87 cities and towns with populations of 2,000 or more—in which over 85 per cent of the domestic consumers of the undertaking are served—no less than 78 have an average annual consumption per domestic consumer in excess of 1,000 kilowatt-hours; of these, 56 have an average annual consumption per domestic consumer in excess of 1,500 kilowatt-hours, and 25 have an average annual consumption per domestic consumer in excess of 2,000 kilowatt-hours.

The high average consumption for domestic service results essentially from the policy of the undertaking in providing service "at cost"; the rate schedules designed according to this principle automatically encourage liberal use of the service. Under the standard rate schedules employed by Ontario municipalities, follow-up rates of 1 cent and 1.25 cents (less 10 per cent) are in common use, and as a rule even where the higher initial rates per kilowatt-hour obtain, it is only necessary for the domestic consumer to reach a monthly charge of from $2.00 to $3.00 to obtain the benefit of a follow-up rate of 1.8 cents net. The cost of electric cooking is thus within reach of most of the domestic consumers in Ontario. Electric water heating is also encouraged by low flat rates for continuous heaters and by installation of equipment without capital cost to the consumer.

STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers For Domestic Service, for Commercial Light Service

Group I—CITIES

Municipality	System	Population	Domestic service					
			Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			$ c.	kw-hr.		kw-hr.	$ c.	cents
Belleville	E.O.	14,678	80,184.48	8,898,302	3,358	221	1.99	1.0
Brantford	Nia.	13,309	173,969.64	14,150,557	7,970	148	1.82	1.2
Chatham	Nia.	16,910	95,905.77	5,726,799	4,228	112	1.89	1.7
Fort William	T.B.	24,843	208,634.12	33,041,093	6,200	444	2.80	0.6
Galt	Nia.	14,286	100,961.46	8,075.893	3,969	170	2.12	1.3
Guelph	Nia.	21,518	113,679.80	10,374,858	5,437	159	1.74	1.1
Hamilton	Nia.	154,690	871,740.09	74,029,018	39,915	154	1.82	1.2
Kingston	E.O.	23,989	156,212.52	14,021,906	6,481	180	2.01	1.1
Kitchener	Nia.	33,080	214,576.95	19,859,617	8,046	206	2.22	1.1
London	Nia.	74,000	553,151.45	53,005,667	18,285	242	2.52	1.0
Niagara Falls	Nia.	18,770	127,857.13	12,006,255	4,696	213	2.27	1.1
Oshawa	E.O.	24,938	188,281.50	12,248,119	6,451	158	2.43	1.5
Ottawa	E.O.	145,183	560,603.53	64,544,009	14,399	374	3.25	0.8
Owen Sound	G.B.	13,659	60,413.31	4,722,854	3,432	115	1.47	1.3
Peterborough	E.O.	24,017	162,173.76	14,403,236	5,821	206	2.32	1.1
Port Arthur	T.B.	21,284	121,418.16	13,780,192	5,185	221	1.95	0.9
St. Catharines	Nia.	27,756	148,233.19	13,361,671	7,377	151	1.67	1.1
St. Thomas	Nia.	16,362	126,579.82	12,958,725	4,444	243	2.37	1.0
Sarnia	Nia.	18,218	95,810.53	6,623,590	4,803	115	1.66	1.4
Stratford	Nia.	17,159	134,475.31	10,867,604	4,371	207	2.56	1.2
Sudbury	N.O.P.	29,186	230,356.19	13,808,212	7,663	150	2.51	1.7
Toronto	Nia.	649,123	4,574,922.45	378,065,164	168,101	187	2.27	1.2
Toronto D.C. and 60 cycle†	......	....	14,307.94	489,820	259	158	4.60	2.9
Welland	Nia.	11,205	58,882.73	3,934,118	2,626	125	1.87	1.5
Windsor	Nia.	102,680	707,339.40	49,666,401	23,872	173	2.47	1.4
Woodstock	Nia.	11,418	75,020.26	6,844,870	3,230	176	1.94	1.1

†This—with the exception of a relatively small D.C. power load—is a special service not created by The Hydro-Electric Power Commission but acquired through the purchase of a privately owned company. It does not include street railway power.

Group II—TOWNS

Municipality	System	Population	Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
Amherstburg	Nia.	2,755	21,915.79	1,608,604	699	192	2.61	1.4
Arnprior	E.O.	3,898	18,247.03	863,670	790	91	1.92	2.1
Aylmer	Nia.	1,979	11,259.71	778,240	707	92	1.33	1.4
Barrie	G.B.	8,446	62,446.09	5,734,006	2,192	219	2.38	1.1
Bowmanville	E.O.	3,800	28,629.76	1,735,179	1,175	123	2.03	1.7
Brampton	Nia.	5,695	41,469.64	3,418,682	1,538	185	2.25	1.2
Brockville	E.O.	9,961	55,166.92	4,885,914	2,921	139	1.57	1.1
Carleton Place	E.O.	4,275	20,176.21	1,344,362	1,025	109	1.64	1.5
Cobourg	E.O.	5,268	36,393.08	2,218,282	1,363	136	2.22	1.6
Collingwood	G.B.	5,342	28,379.14	1,731,547	1,397	103	1.69	1.6
Delhi	Nia.	2,544	11,810.30	558,842	549	85	1.79	2.1
Dundas	Nia.	5,012	23,697.80	1,515,406	1,324	95	1.49	1.6
Dunnville	Nia.	3,870	14,835.93	880,017	958	77	1.29	1.7
Elmira	Nia.	2,069	15,039.75	976,387	531	153	2.36	1.5
Fergus	Nia.	2,732	20,326.91	1,253,090	721	145	2.35	1.6

"D"

in Ontario Municipalities Served by the Commission and for Power Service during the year 1940

Population, 10,000 or more

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	
$ c.	kw-hr.		kw-hr.	$ c.	cents	$ c.			
54,394.21	4,564,304	657	579	6.90	1.2	41,564.67	101	2,724.3	4,116
80,193.06	8,292,155	1,262	548	5.30	1.0	*147,609.51	196	8,957.6	9,428
92,582.83	6,139,976	788	649	9.79	1.5	91,015.04	103	4,217.7	5,119
77,282.20	5,352,794	970	460	6.64	1.5	71,759.15	124	3,965.1	7,294
49,933.31	3,554,739	502	590	8.29	1.4	129,092.77	114	6,750.8	4,585
58,552.25	5,159,637	798	539	6.11	1.1	136,562.27	139	8,191.2	6,374
491,920.80	45,048,173	5,183	724	7.91	1.1	2,133,619.33	1,270	114,697.9	46,368
106,686.90	8,574,251	981	728	9.06	1.2	123,364.77	173	6,784.7	7,635
132,974.17	9,600,082	1,090	733	10.17	1.4	329,997.56	257	16,412.0	9,393
227,822.07	18,647,422	2,163	718	8.78	1.2	442,599.88	462	23,744.4	20,910
67,203.75	6,181,654	716	719	7.82	1.1	85,547.30	91	4,930.9	5,503
75,583.84	3,911,937	563	579	11.19	1.9	273,189.35	109	12,432.5	7,123
236,825.40	16,138,884	1,442	903	13.69	1.5	77,849.60	197	4,802.6	16,038
44,135.76	3,232,104	589	457	6.24	1.4	48,814.18	108	2,849.4	4,129
91,994.30	5,494,949	924	496	8.30	1.7	136,463.60	160	7,031.6	6,905
73,212.69	6,614,528	825	668	7.40	1.1	721,657.79	106	41,586.8	6,116
88,300.40	7,644,404	1,033	617	7.12	1.2	213,948.34	211	13,041.4	8,621
58,272.36	5,168,647	615	700	7.89	1.1	62,572.15	83	3,904.8	5,142
53,588.33	4,012,575	640	522	6.98	1.3	168,818.48	81	7,196.1	5,524
58,569.30	3,615,074	597	505	8.18	1.6	64,183.51	118	3,226.4	5,086
156,384.05	5,639,163	1,105	425	11.79	2.8	52,556.97	137	1,938.4	8,905
3,108,302.08	198,490,116	24,982	665	10.37	1.6	‡4,201,017.65	4,378	177,889.0	197,461
58,856.95	1,433,940	383	312	12.81	4.1	297,908.11	755	11,362.0	1,397
36,785.60	2,582,021	496	434	6.18	1.4	154,519.72	84	7,408.0	3,206
384,817.81	26,015,354	3,162	685	10.14	1.5	589,051.20	458	27,642.9	27,492
45,367.61	3,472,800	470	616	8.04	1.3	83,020.50	90	4,959.8	3,790

NOTE—The above group of 25 cities utilizes about 80 per cent of the power distributed by the Commission to Ontario municipalities.

*Includes only 25-cycle data. ‡Does not include street railway power.

of Population, 2,000 or more

8,496.77	490,923	137	299	5.17	1.8	6,902.77	14	309.8	850
11,289.15	360,715	161	187	5.84	3.1	19,054.36	20	832.3	971
10,323.52	659,300	154	357	5.59	1.6	6,573.55	13	368.4	874
43,958.59	2,854,652	427	557	8.58	1.5	21,056.75	53	1,124.5	2,672
10,617.11	543,580	158	286	5.60	2.0	55,687.96	25	2,199.5	1,358
20,276.47	1,206,163	243	414	6.95	1.7	21,243.20	53	1,347.8	1,834
26,027.86	2,213,666	418	441	5.18	1.2	42,881.12	73	2,532.0	3,412
9,676.14	479,744	191	209	4.22	2.0	28,967.98	19	1,476.6	1,235
21,474.38	1,057,487	250	352	7.15	2.0	25,942.23	50	1,320.2	1,663
14,280.05	769,493	201	319	5.92	1.9	26,419.64	51	1,581.2	1,649
11,507.18	522,492	142	307	6.75	2.2	8,319.94	6	307.2	697
13,276.96	882,270	195	377	5.67	1.5	28,494.19	37	1,840.6	1,556
15,923.13	989,089	218	378	6.09	1.6	15,384.08	26	951.7	1,202
8,162.84	382,378	120	266	5.67	2.1	6,584.52	21	354.7	672
8,828.22	419,824	120	292	6.13	2.1	17,973.58	13	742.6	854

STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers For Domestic Service, for Commercial Light Service

Group II—TOWNS

Municipality	System	Population	Domestic service					
			Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			$ c.	kw-hr.		kw-hr.	$ c.	cents
Forest Hill	Nia.	11,757	205,573.16	16,844,463	3,325	422	5.15	1.2
Georgetown	Nia.	2,427	19,236.80	1,275,829	764	139	2.10	1.5
Goderich	Nia.	4,484	31,401.37	1,931,613	1,271	127	2.06	1.6
Gravenhurst	G.B.	2,193	10,328.46	853,802	529	134	1.63	1.2
Hanover	G.B.	3,235	19,821.78	1,206,227	777	129	2.13	1.6
Hespeler	Nia.	2,895	15,971.78	928,717	783	99	1.70	1.7
Humberstone	Nia.	2,784	10,643.05	547,500	682	67	1.30	1.9
Huntsville	G.B.	2,764	13,639.62	1,201,675	691	145	1.64	1.1
Ingersoll	Nia.	5,302	31,456.54	2,420,232	1,462	138	1.79	1.3
Kincardine	G.B.	2,470	15,889.23	661,096	698	79	1.90	2.4
Kingsville	Nia.	2,360	14,862.56	956,117	624	128	1.98	1.6
Leamington	Nia.	5,811	27,185.89	1,904,226	1,570	101	1.44	1.4
Lindsay	E.O.	7,203	43,382.59	3,137,023	2,047	128	1.77	1.4
Listowel	Nia.	2,892	16,812.28	1,150,120	770	124	1.82	1.5
Long Branch	Nia.	4,200	29,563.74	1,965,907	1,388	118	1.77	1.5
Meaford	G.B.	2,759	13,310.58	655,684	707	77	1.57	2.0
Merritton	Nia.	2,656	13,960.91	1,043,242	773	112	1.51	1.3
Midland	G.B.	6,600	35,613.65	2,426,978	1,559	130	1.90	1.5
Mimico	Nia.	7,112	57,116.46	4,489,842	1,973	190	2.41	1.3
Napanee	E.O.	3,234	24,093.56	1,586,968	831	159	2.42	1.5
New Toronto	Nia.	7,175	38,493.94	2,806,216	1,856	126	1.73	1.4
Orangeville	G.B.	2,608	16,135.51	946,192	750	105	1.79	1.7
Paris	Nia.	4,409	24,135.45	1,931,723	1,168	138	1.72	1.2
Penetanguishene	G.B.	4,076	12,470.63	621,962	682	76	1.52	2.0
Perth	E.O.	4,182	25,434.54	1,849,973	1,033	149	2.05	1.4
Petrolia	Nia.	2,772	12,700.03	700,873	796	73	1.33	1.8
Picton	E.O.	3,582	22,484.32	1,453,908	1,042	116	1.80	1.5
Port Colborne	Nia.	6,483	31,275.04	1,630,955	1,541	88	1.69	1.9
Port Hope	E.O.	4,812	27,970.81	2,090,194	1,360	128	1.71	1.3
Prescott	E.O.	2,925	18,808.53	1,502,643	703	178	2.23	1.3
Preston	Nia.	6,292	33,093.89	2,446,096	1,557	131	1.77	1.4
Riverside	Nia.	5,086	37,786.48	1,920,168	1,370	116	2.30	2.0
St. Marys	Nia.	4,018	26,970.87	1,814,103	1,032	146	2.18	1.5
Simcoe	Nia.	6,263	26,868.47	1,904,130	1,584	100	1.41	1.4
Smiths Falls	E.O.	7,672	44,673.09	3,396,460	1,905	149	1.95	1.3
Strathroy	Nia.	2,806	20,978.75	1,775,205	831	178	2.10	1.2
Swansea	Nia.	6,375	76,173.70	5,430,281	1,932	234	3.28	1.4
Tecumseh	Nia.	2,237	13,613.63	512,334	600	71	1.89	2.7
Thorold	Nia.	5,038	19,955.64	1,437,212	1,201	100	1.38	1.4
Tillsonburg	Nia.	4,376	19,533.65	1,297,974	1,191	91	1.37	1.5
Trenton	E.O.	7,222	36,386.52	2,482,528	1,590	130	1.91	1.5
Walkerton	G.B.	2,523	17,467.49	1,005,393	637	132	2.29	1.7
Wallaceburg	Nia.	4,783	20,406.25	1,144,913	1,165	82	1.46	1.8
Waterloo	Nia.	8,623	64,592.59	6,646,472	2,151	257	2.50	1.0
Weston	Nia.	5,289	49,854.99	5,093,739	1,447	293	2.87	1.0
Whitby	E.O.	3,863	25,520.51	1,823,728	925	164	2.30	1.4
Wingham	G.B.	2,149	12,499.27	689,740	570	101	1.83	1.8

"D"—Continued

in Ontario Municipalities Served by the Commission
and for Power Service during the year 1940
population, 2,000 or more

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of con-sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of con-sumers	Average monthly horse-power	
$ c.	kw-hr.		kw-hr.	$ c.	cents	$ c.			
27,864.88	1,768,492	242	609	9.59	1.6	3,432.30	23	170.7	3,590
8,926.82	576,555	132	364	5.64	1.5	30,622.52	27	1,378.6	923
16,972.12	767,660	256	250	5.52	2.2	17,102.34	20	826.6	1,547
9,799.78	752,588	113	555	7.23	1.3	13,466.42	16	660.1	658
8,537.07	445,271	141	263	5.05	1.9	19,257.46	23	886.1	941
5,322.55	315,497	105	250	4.22	1.7	54,009.08	29	2,326.0	917
3,875.61	282,480	78	302	4.14	1.4	4,781.78	9	237.7	769
12,026.40	836,956	139	502	7.21	1.4	16,094.54	15	1,089.5	845
17,522.98	1,266,621	237	445	6.16	1.4	33,408.68	45	1,907.8	1,744
9,378.77	311,080	112	231	6.98	3.0	12,156.24	18	527.9	828
9,029.76	525,901	156	281	4.82	1.7	4,951.94	19	249.2	799
19,169.70	1,325,701	265	417	6.04	1.4	19,664.91	34	1,209.3	1,869
29,531.75	1,529,301	338	377	7.28	1.9	37,604.88	70	2,000.4	2,455
12,648.95	746,916	162	384	6.51	1.7	15,356.50	23	798.4	955
6,796.79	438,861	98	373	5.78	1.5	2,496.68	5	111.7	1,491
8,533.10	417,168	148	235	4.80	2.0	6,129.95	18	359.9	873
3,263.26	238,981	66	302	4.12	1.4	142,494.81	15	6,487.9	854
17,713.45	1,051,764	198	443	7.46	1.7	55,242.99	49	3,503.7	1,806
11,475.08	780,937	153	425	6.25	1.5	11,207.79	18	486.6	2,144
16,617.77	823,116	202	340	6.86	2.0	9,546.78	27	511.7	1,060
18,280.46	1,417,443	220	537	6.92	1.3	198,940.04	33	8,715.2	2,109
10,583.20	566,523	145	326	6.08	1.9	6,495.22	24	344.9	919
8,779.83	685,498	192	298	3.81	1.3	18,814.04	24	1,121.1	1,384
7,598.17	347,868	113	257	5.60	2.2	18,634.62	25	747.2	820
15,627.70	917,582	197	388	6.61	1.7	15,685.53	27	877.5	1,257
8,441.33	385,020	186	173	3.78	2.2	25,428.57	64	959.1	1,046
17,097.12	1,004,799	203	412	7.05	1.7	4,969.58	30	355.2	1,275
18,782.24	1,196,812	255	391	6.14	1.6	23,819.66	23	1,114.0	1,819
13,658.73	921,922	215	357	5.29	1.5	30,299.07	38	1,582.0	1,613
10,854.89	659,931	178	309	5.08	1.6	5,613.97	21	380.0	902
20,868.24	1,265,268	232	454	7.50	1.6	49,453.45	44	2,783.5	1,833
5,104.98	264,899	58	380	7.33	1.9	6,256.22	9	230.1	1,437
10,956.64	561,293	182	257	5.02	2.0	23,279.59	39	997.2	1,253
32,628.22	2,575,217	377	569	7.21	1.3	30,149.76	43	1,511.1	2,004
16,900.09	979,890	295	277	4.77	1.7	19,806.81	41	1,081.3	2,241
12,957.49	803,641	180	372	5.99	1.6	10,906.03	30	758.3	1,041
10,243.53	633,248	97	544	8.80	1.6	18,792.39	15	821.2	2,044
5,248.38	224,130	56	333	7.81	2.3	2,595.05	3	120.3	659
8,171.15	714,004	163	365	4.18	1.1	43,350.13	16	2,079.2	1,380
18,708.95	1,320,777	255	432	6.11	1.4	13,339.56	33	770.0	1,479
23,876.26	1,250,671	266	392	7.48	1.9	67,830.85	52	3,157.4	1,908
10,716.90	516,869	146	295	6.12	2.1	8,061.11	19	302.5	802
14,566.67	877,532	251	291	4.83	1.7	59,489.35	39	2,524.2	1,455
26,632.36	1,979,167	248	665	8.95	1.3	40,101.41	71	2,280.4	2,470
12,468.72	995.402	171	485	6.08	1.3	53,569.41	29	2,667.8	1,647
13,155.52	771,386	157	409	6.98	1.7	15,015.77	23	672.5	1,105
8,356.95	371,024	143	216	4.87	2.3	9,544.16	25	451.4	738

STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

NOTE—The power used in the smaller places and rural districts is, and possibly must always be, a relatively small proportion of the power distributed by the Commission. Thus, the power used by the small municipalities in the following group, which includes small towns, villages and certain suburban areas in townships, is less than 10 per cent of the power distributed by the Commission to Ontario municipalities. This relatively small proportion of the total power,

Municipality	System	Population	Domestic service					
			Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			$ c.	kw-hr.		kw-hr.	$ c.	cents
Acton	Nia.	1,903	12,007.88	888,323	520	142	1.92	1.4
Agincourt	Nia.	P.V.	5,089.99	328,024	157	174	2.70	1.6
Ailsa Craig	Nia.	477	2,548.95	140,750	144	81	1.48	1.8
Alexandria	E.O.	1,951	7,902.15	211,467	379	46	1.74	3.7
Allistcn	G.B.	1,437	10,601.69	445,950	412	90	2.14	2.4
Alvinston	Nia.	663	3,766.54	90,920	165	46	1.90	4.1
Ancaster Twp.	Nia.	....	12,245.14	730,509	350	174	2.91	1.7
Apple Hill	E.O.	P.V.	1,374.14	28,599	57	42	2.01	4.8
Arkona	Nia.	408	2,929.14	73,526	108	57	2.26	4.0
Arthur	G.B.	1,038	5,350.21	139,612	224	52	1.99	3.8
Athens	E.O.	700	3,217.92	65,990	184	30	1.46	4.9
Ayr	Nia.	768	5,526.19	292,837	256	95	1.80	1.9
Baden	Nia.	P.V.	3,517.71	257,512	152	141	1.93	1.4
Bath	E.O.	315	1,913.26	48,481	52	78	3.07	3.9
Beachville	Nia.	P.V.	3,498.48	195,217	164	99	1.78	1.8
Beamsville	Nia.	1,186	9,945.24	696,745	364	160	2.28	1.4
Beaverton	G.B.	915	5,392.66	304,722	331	77	1.36	1.8
Beeton	G.B.	568	3,438.83	87,581	130	56	2.20	3.9
Belle River	Nia.	852	4,601.27	175,936	248	59	1.55	2.6
Blenheim	Nia.	1,844	9,263.88	544,873	541	84	1.43	1.7
Bloomfield	E.O.	629	3,138.69	128,295	171	63	1.53	2.4
Blyth	Nia.	656	3,559.61	130,977	178	61	1.67	2.7
Bolton	Nia.	600	4,182.48	228,822	181	105	1.93	1.8
Bothwell	Nia.	646	2,900.61	163,170	187	73	1.29	1.8
Bradford	G.B.	1,004	6,233.81	199,509	241	69	2.16	3.1
Brantford Twp.	Nia.	......	23,489.43	1,437,489	1,050	114	1.86	1.6
Brechin	G.B.	P.V.	1,527.49	41,446	57	61	2.23	3.7
Bridgeport	Nia.	P.V.	4,850.10	197,396	180	91	2.25	2.5
Brigden	Nia.	P.V.	2,272.14	75,584	117	54	1.62	3.0
Brighton	E.O.	1,556	9,655.46	309,978	532	49	1.51	3.1
Brussels	Nia.	814	4,644.73	167,811	247	57	1.57	2.8
Burford	Nia.	P.V.	4,818.82	324,277	200	135	2.01	1.5
Burgessville	Nia.	P.V.	1,732.08	58,922	56	88	2.58	2.9
Caledonia	Nia.	1,425	6,807.70	355,074	425	70	1.33	1.9
Campbellville	Nia.	P.V.	1,600.18	48,913	54	75	2.47	3.3
Cannington	G.B.	705	5,590.23	232,981	248	78	1.88	2.4
Capreol	N.O.P.	1,700	9,167.45	269,118	328	68	2.33	3.4
Cardinal	E.O.	1,576	7,665.63	478,191	375	106	1.70	1.6
Cayuga	Nia.	658	3,919.09	137,876	175	66	1.87	2.8
Chatsworth	G.B.	321	1,959.00	72,935	95	64	1.72	2.7

"D"—Continued

in Ontario Municipalities Served by the Commission and for Power Service during the year 1940

VILLAGES AND SUBURBAN AREAS

however, exerts upon the economic life of the Province a most beneficial influence. It should further be appreciated that about 35 per cent of these municipalities obtain their power, not from Niagara, but from relatively small water-power developments throughout the Province, or from purchased power. The net cost per kilowatt-hour given in the table is the cost inclusive of all charges. Consult also introduction to Statement "D", page 326.

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	
$ c.	kw-hr.		kw-hr.	$ c.	cents	$ c.			
4,860.03	321,880	94	285	4.31	1.5	20,162.85	16	828.2	630
1,400.01	62,303	27	192	4.32	2.2	699.74	2	54.8	186
1,324.56	53,571	38	117	2.90	2.5	919.98	3	37.8	185
5,145.01	121,119	110	92	3.90	4.2	4,753.86	17	170.7	506
7,399.95	267,192	106	210	5.82	2.8	2,699.12	14	157.9	532
2,093.56	60,537	53	95	3.29	3.5	512.26	2	17.8	220
3,152.57	167,165	36	384	7.29	1.8	1,042.38	7	64.7	393
1,039.00	35,472	23	129	3.76	2.9	501.48	2	24.6	82
1,798.38	48,049	36	111	4.16	3.7	7.72	1	.8	145
4,972.13	128,090	88	121	4.71	3.9	949.52	6	85.4	318
1,536.25	44,410	48	77	2.67	3.5	903.76	1	33.6	233
1,796.38	82,410	44	156	3.40	2.2	542.87	4	31.5	304
2,015.25	113,687	37	256	4.54	1.8	5,606.17	2	243.8	191
595.64	12,972	13	83	3.82	4.6	....	......	....	65
652.19	26,713	21	106	2.59	2.4	12,821.78	4	517.2	189
5,188.85	277,872	73	317	5.92	1.9	2,151.93	6	108.1	443
2,550.30	147,553	66	186	3.22	1.7	1,216.92	9	66.3	406
2,273.83	51,322	34	126	5.57	4.4	1,403.70	5	69.3	169
2,634.54	116,105	47	286	4.67	2.3	1,308.29	2	36.7	297
8,719.62	532,790	138	321	5.27	1.6	5,296.24	14	240.1	693
2,144.99	80,487	42	160	4.26	2.7	948.73	7	37.8	220
2,034.67	68,823	47	122	3.61	3.0	521.63	3	28.3	228
1,799.46	67,326	48	117	3.12	2.7	2,237.57	10	108.8	239
1,963.39	112,500	55	171	2.97	1.7	826.06	7	80.3	249
4,267.51	118,897	68	146	5.23	3.6	2,023.06	8	112.3	317
4,080.84	215,187	48	374	7.08	1.9	3,467.71	8	172.6	1,106
766.33	25,267	18	117	3.55	3.0	817.66	4	39.0	79
840.90	29,289	18	136	3.89	2.9	148.09	1	5.0	199
2,195.98	72,701	39	155	4.69	3.0	664.19	4	21.9	160
4,792.15	198,481	94	176	4.25	2.4	3,339.44	10	169.4	636
3,055.59	105,113	68	129	3.74	2.9	802.99	4	31.1	319
1,162.15	72,041	29	207	3.34	1.6	621.33	2	28.5	231
798.54	26,162	19	115	3.50	3.1	243.06	1	13.0	76
5,559.57	352,297	105	280	4.41	1.6	1,796.74	8	85.2	538
775.03	21,719	12	151	5.38	3.6	....	......	....	66
2,492.43	85,818	72	99	2.88	2.9	1,505.95	10	86.7	330
3,930.50	151,475	51	248	6.42	2.6	728.93	1	25.0	380
2,508.68	126,500	61	173	3.43	2.0	341.04	2	18.0	438
4,078.37	135,212	65	173	5.23	3.0	763.24	8	31.9	248
1,330.31	56,944	34	140	3.26	2.3	....	......	....	129

STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Population	Domestic service					
			Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			$ c.	kw-hr.		kw-hr.	$ c.	cents
Chesley	G.B.	1,743	9,224.47	539,955	436	103	1.76	1.7
Chesterville	E.O.	1,061	4,980.95	351,191	269	109	1.54	1.4
Chippawa	Nia.	1,172	7,864.15	608,093	336	151	1.95	1.3
Clifford	Nia.	456	2,550.08	85,238	128	55	1.66	3.0
Clinton	Nia.	1,879	12,959.71	793,352	550	120	1.96	1.6
Cobden	E.O.	639	2,267.01	67,466	123	46	1.54	3.4
Colborne	E.O.	942	5,693.04	269,995	267	84	1.78	2.1
Coldwater	G.B.	606	3,562.54	179,842	162	93	1.83	2.0
Comber	Nia.	P.V.	2,139.62	82,680	112	62	1.59	2.6
Cookstown	G.B.	P.V.	2,334.32	58,559	109	45	1.78	4.0
Cottam	Nia.	P.V.	2,512.93	96,422	117	69	1.79	2.6
Courtright	Nia.	344	1,539.08	36,812	80	38	1.60	4.2
Creemore	G.B.	638	3,399.08	115,106	162	59	1.75	3.0
Dashwood	Nia.	P.V.	1,784.05	68,152	88	65	1.69	2.6
Delaware	Nia.	P.V.	1,961.47	121,250	66	153	2.48	1.6
Deseronto	E.O.	1,300	5,792.81	205,974	316	54	1.53	2.8
Dorchester	Nia.	P.V.	2,603.94	134,052	148	75	1.47	1.9
Drayton	Nia.	528	3,356.10	115,468	165	58	1.70	2.9
Dresden	Nia.	1,572	6,826.62	354,893	440	67	1.29	1.9
Drumbo	Nia.	P.V.	2,403.07	109,853	90	102	2.23	2.2
Dublin	Nia.	P.V.	1,198.32	39,360	55	60	1.82	3.0
Dundalk	G.B.	703	3,472.52	166,360	198	70	1.46	2.1
Durham	G.B.	1,854	7,046.04	409,401	469	73	1.25	1.7
Dutton	Nia.	843	3,323.42	206,150	227	76	1.22	1.6
East York Twp	Nia.	....	209,961.99	13,573,176	10,166	111	1.72	1.5
Elmvale	G.B.	P.V.	3,698.68	172,371	190	76	1.62	2.1
Elmwood	G.B.	P.V.	1,177.94	29,763	66	38	1.49	4.0
Elora	Nia.	1,187	7,708.07	393,644	355	92	1.81	2.0
Embro	Nia.	435	3,271.35	179,029	119	125	2.29	1.8
Erieau	Nia.	295	4,074.75	139,988	190	61	1.79	2.9
Erie Beach	Nia.	21	1,726.29	34,483	87	33	1.65	5.0
Essex	Nia.	1,854	8,251.99	481,420	487	82	1.41	1.7
Etobicoke Twp	Nia.	....	160,719.82	13,563,277	4,670	242	2.87	1.2
Exeter	Nia.	1,654	11,959.83	804,922	478	140	2.09	1.5
Finch	E.O.	347	2,216.47	140,549	98	120	1.88	1.6
Flesherton	G.B.	457	2,048.72	81,000	143	47	1.19	2.5
Fonthill	Nia.	860	5,446.16	230,501	258	74	1.76	2.4
Forest	Nia.	1,520	12,652.33	733,810	471	130	2.24	1.7
Glencoe	Nia.	726	5,331.38	213,431	220	81	2.02	2.5
Grand Valley	G.B.	629	3,464.12	100,385	171	49	1.69	3.5

"D"—Continued

in Ontario Municipalities Served by the Commission and for Power Service during the year 1940

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Commercial Light service						Power service			
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	Total number of consumers
$ c.	kw-hr.		kw-hr.	$ c.	cents	$ c.			
5,726.29	324,575	100	270	4.77	1.8	7,284.87	22	409.3	558
3,831.97	175,571	76	193	4.20	2.2	2,114.30	3	90.4	348
2,722.08	153,237	54	236	4.20	1.8	1,159.58	2	41.0	392
2,196.10	82,702	39	177	4.69	2.7	505.27	1	18.0	168
8,280.87	405,020	151	224	4.57	2.0	5,550.65	17	281.6	718
2,680.35	67,695	54	104	4.14	4.0	386.15	1	12.0	178
3,188.66	139,911	76	153	3.50	2.3	987.87	5	54.8	348
1,360.02	49,200	47	87	2.41	2.8	1,918.23	3	76.4	212
1,985.02	72,434	47	128	3.52	2.7	1,862.89	3	71.7	162
1,545.33	38,651	32	101	4.02	4.0	889.36	3	58.2	144
1,377.12	74,412	26	238	4.41	1.8	203.82	1	15.0	144
960.81	27,126	26	87	3.08	3.5	974.76	1	12.5	107
1,606.25	66,008	56	98	2.39	2.4	1,025.60	3	71.1	221
1,196.11	28,690	26	92	3.83	4.2	781.00	3	27.5	117
828.15	28,814	15	160	4.60	2.9	....	......	....	81
2,167.84	61,535	63	81	2.87	3.5	1,878.43	6	67.2	385
956.17	40,262	27	124	2.95	2.4	479.81	2	41.8	177
2,019.67	67,635	65	87	2.59	3.0	1,253.58	5	56.1	235
6,408.69	364,074	127	238	4.20	1.8	3,736.27	11	247.5	578
960.11	40,145	27	124	2.96	2.4	712.93	1	27.6	118
783.58	24,437	23	89	2.84	3.2	1,406.26	2	56.3	80
2,987.74	114,321	71	134	3.51	2.6	3,068.96	5	159.3	274
5,245.44	277,542	103	225	4.24	1.9	4,289.75	14	220.1	586
2,226.36	131,540	65	169	2.85	1.7	3,138.27	9	174.7	301
32,147.98	1,957,566	459	355	5.84	1.6	41,241.12	46	1,776.3	10,671
1,937.81	92,535	46	168	3.51	2.1	3,462.06	9	157.2	245
645.18	17,734	22	67	2.44	3.6	1,210.30	1	41.0	89
4,478.47	195,337	74	220	5.04	2.3	3,321.94	4	174.7	433
1,347.26	40,373	38	89	2.99	3.3	100.14	1	6.0	158
1,446.90	49,613	13	318	9.27	2.9	421.89	2	19.3	205
378.16	10,650	3	296	10.50	3.6	....	......	....	90
7,364.34	463,635	125	309	4.91	1.6	7,067.37	19	389.6	631
27,627.40	1,899,710	287	552	8.02	1.5	27,819.69	40	1,253.5	4,997
6,981.20	335,910	122	229	4.77	2.1	3,733.92	13	250.9	613
1,749.17	63,166	34	155	4.29	2.8	312.76	1	8.6	133
1,842.32	61,761	50	103	3.07	3.0	688.15	2	34.4	195
1,862.86	80,470	34	197	4.57	2.3	510.34	3	18.0	295
6,690.90	284,366	127	187	4.39	2.4	5,198.31	20	250.6	618
4,020.08	148,679	81	153	4.14	2.7	3,432.36	9	123.8	310
2,293.32	56,639	51	93	3.75	4.0	1,542.23	4	77.8	226

STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Population	Domestic service					
			Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			$ c.	kw-hr.		kw-hr.	$ c.	cents
Granton	Nia.	P.V.	2,062.24	108,844	89	102	1.93	1.9
Hagersville	Nia.	1,369	6,305.62	346,903	388	74	1.35	1.8
Harriston	Nia.	1,326	7,164.86	396,377	378	87	1.58	1.8
Harrow	Nia.	1,055	9,686.22	686,189	308	186	2.62	1.4
Hastings	E.O.	772	3,914.81	130,116	227	48	1.44	3.0
Havelock	E.O.	1,156	5,199.71	194,292	295	55	1.47	2.7
Hensall	Nia.	696	4,659.00	205,460	212	81	1.83	2.3
Highgate	Nia.	324	1,680.85	63,010	102	51	1.37	2.7
Holstein	G.B.	P.V.	971.48	17,609	52	28	1.56	5.5
Jarvis	Nia.	536	2,798.43	107,272	151	59	1.54	2.6
Kemptville	E.O.	1,223	7,252.43	360,823	349	86	1.73	2.0
Kirkfield	G.B.	P.V.	1,025.18	18,940	35	45	2.44	5.4
Lakefield	E.O.	1,413	6,044.43	259,958	331	66	1.52	2.3
Lambeth	Nia.	P.V.	3,179.61	192,741	133	121	1.99	1.6
Lanark	E.O.	734	2,724.96	93,535	159	49	1.43	2.9
Lancaster	E.O.	563	2,017.62	54,447	100	45	1.68	3.7
La Salle	Nia.	873	6,764.18	375,063	221	141	2.55	1.8
London Twp.	Nia.	....	13,238.39	1,099,204	446	205	2.47	1.2
Lucan	Nia.	599	4,446.62	246,093	185	111	2.00	1.8
Lucknow	G.B.	1,015	6,099.27	202,880	244	69	2.08	3.0
Lynden	Nia.	P.V.	2,264.97	96,831	95	85	1.99	2.3
Madoc	E.O.	1,054	4,764.49	202,829	300	56	1.32	2.3
Markdale	G.B.	795	3,772.67	169,710	219	65	1.44	2.2
Markham	Nia.	1,170	7,563.03	455,123	323	117	1.95	1.7
Marmora	E.O.	997	4,179.43	136,479	242	47	1.44	3.1
Martintown	E.O.	P.V.	677.74	25,994	49	44	1.15	2.6
Maxville	E.O.	760	3,368.35	102,516	151	57	1.86	3.3
Merlin	Nia.	P.V.	2,457.68	87,067	122	59	1.68	2.8
Mildmay	G.B.	756	3,555.95	180,773	173	87	1.71	2.0
Millbrook	E.O.	728	4,234.95	88,107	170	43	2.08	5.0
Milton	Nia.	1,903	13,099.01	715,844	525	114	2.08	1.8
Milverton	Nia.	997	5,108.09	376,735	246	128	1.73	1.4
Mitchell	Nia.	1,666	12,652.67	874,214	502	145	2.10	1.4
Moorefield	Nia.	P.V.	1,010.20	24,550	57	36	1.48	4.1
Morrisburg	E.O.	1,555	8,891.26	505,988	440	96	1.68	1.8
Mt. Brydges	Nia.	P.V.	2,657.62	144,085	146	82	1.52	1.8
Mt. Forest	G.B.	1,909	9,865.03	460,700	484	79	1.70	2.1
Neustadt	G.B.	468	2,058.15	29,774	96	26	1.79	6.9
Newbury	Nia.	275	1,310.77	33,676	63	45	1.73	3.9
Newcastle	E.O.	698	5,138.66	194,656	209	78	2.05	2.6

"D"—Continued

in Ontario Municipalities Served by the Commission and for Power Service during the year 1940

VILLAGES AND SUBURBAN AREAS

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	
$ c.	kw-hr.		kw-hr.	$ c.	cents	$ c.			
1,003.53	40,850	31	110	2.70	2.5	....	......	....	120
5,954.04	346,653	112	258	4.43	1.7	16,688.17	14	816.8	514
5,265.27	247,458	102	202	4.30	2.1	5,917.65	14	279.7	494
5,414.04	252,056	82	256	5.50	2.1	3,190.34	7	140.5	397
2,310.62	76,387	58	110	3.32	3.0	284.01	4	20.2	289
2,979.88	79,503	62	107	4.01	3.7	2,359.16	3	87.0	360
2,391.61	76,450	60	106	3.32	3.1	2,907.56	14	148.5	286
954.51	33,630	38	74	2.09	2.8	1,120.92	6	59.2	146
720.58	16,388	22	62	2.73	4.4	260.92	2	15.0	76
1,992.32	94,371	41	192	4.06	2.1	3,255.67	3	121.4	195
4,939.60	225,232	78	241	5.28	2.2	4,627.65	5	191.5	432
1,156.05	28,202	19	124	5.07	4.1	....	......	....	54
4,149.83	170,754	70	203	4.94	2.4	3,785.83	6	177.9	407
1,290.50	54,180	24	171	4.48	2.4	440.09	2	27.5	159
1,557.99	58,248	40	121	3.25	2.7	....	......	....	199
1,554.99	42,810	32	111	4.05	3.6	....	......	....	132
1,491.42	59,393	15	330	8.29	2.5	270.24	2	10.5	238
2,028.56	152,072	22	576	7.68	1.3	1,608.87	5	76.0	473
2,359.95	92,064	54	142	3.64	2.6	2,058.25	7	115.4	246
4,099.69	111,246	82	113	4.17	3.7	4,673.70	7	140.4	333
884.22	32,614	20	136	3.68	2.7	753.17	2	40.2	117
4,069.92	143,350	91	131	3.73	2.8	1,371.81	5	78.2	396
2,945.80	128,180	80	134	3.07	2.3	1,951.99	9	107.5	308
3,341.61	175,619	74	198	3.76	1.9	3,167.52	9	145.7	406
2,205.18	91,386	46	166	3.99	2.4	284.47	2	26.4	290
971.09	35,068	24	122	3.37	2.8	....	......	....	73
2,694.07	71,737	43	139	5.22	3.8	....	......	....	194
2,253.33	81,112	48	178	4.06	2.8	703.11	2	24.6	172
2,472.64	91,901	53	144	3.89	2.7	936.52	3	30.7	229
2,114.51	36,185	60	50	2.93	5.8	467.01	2	13.0	232
7,047.07	364,519	113	269	5.20	1.9	22,674.07	15	925.8	653
4,073.78	174,191	75	194	4.53	2.3	3,530.52	10	246.6	331
5,980.99	330,270	127	217	3.92	1.8	5,221.54	23	308.6	652
1,210.63	38,779	30	108	3.36	3.1	38.06	1	3.0	88
5,987.67	240,209	124	161	4.02	2.5	2,607.18	14	168.9	578
1,237.08	52,930	42	105	2.45	2.3	866.63	4	42.2	192
7,581.37	407,391	138	246	4.58	1.9	5,827.67	15	300.6	637
1,050.36	19,831	27	61	3.24	5.3	390.19	1	9.3	124
667.73	20,562	14	122	3.97	3.2	324.68	1	14.2	78
2,578.44	76,216	37	172	5.81	3.4	2,032.10	3	65.7	249

STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Population	Domestic service					
			Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			$ c.	kw-hr.		kw-hr.	$ c.	cents
New Hamburg	Nia.	1,446	10,133.58	623,742	372	140	2.27	1.6
Niagara-on-the-Lake	Nia.	1,764	14,676.17	1,274,954	539	197	2.26	1.2
Nipigon	T.B.	V.A.	3,670.25	174,500	204	71	1.50	2.1
North York Twp	Nia.	....	183,853.06	10,482,191	5,465	160	2.80	1.7
Norwich	Nia.	1,302	8,804.15	665,812	382	145	1.92	1.3
Norwood	E.O.	703	4,766.62	199,280	235	71	1.69	2.4
Oil Springs	Nia.	515	1,803.41	102,658	96	89	1.57	1.8
Omemee	E.O.	547	3,096.97	122,073	162	63	1.59	2.5
Orono	E.O.	P.V.	4,462.45	127,936	179	60	2.08	3.5
Otterville	Nia.	P.V.	2,443.39	126,845	134	79	1.52	1.9
Paisley	G.B.	727	4,210.14	109,650	205	45	1.71	3.8
Palmerston	Nia.	1,393	10,298.89	748,105	392	159	2.19	1.4
Parkhill	Nia.	1,022	5,871.26	216,730	298	60	1.64	2.7
Plattsville	Nia.	P.V.	2,588.25	110,754	114	81	1.89	2.3
Point Edward	Nia.	1,175	6,102.10	267,448	321	69	1.58	2.3
Port Credit	Nia.	1,906	16,373.28	1,444,571	555	217	2.46	1.1
Port Dalhousie	Nia.	1,595	16,360.83	1,363,402	596	191	2.29	1.2
Port Dover	Nia.	1,864	9,344.63	517,980	660	65	1.18	1.8
Port Elgin	G.B.	1,374	10,451.40	583,801	462	105	1.89	1.8
Port McNicoll	G.B.	940	4,244.37	142,728	231	51	1.53	3.0
Port Perry	G.B.	1,145	7,995.06	328,674	354	77	1.88	2.4
Port Rowan	Nia.	706	3,023.62	107,940	147	61	1.71	2.8
Port Stanley	Nia.	824 †4,500s	13,990.99	857,332	738	97	1.58	1.6
Priceville	G.B.	P.V.	761.30	12,167	32	32	1.98	6.3
Princeton	Nia.	P.V.	2,409.23	124,927	91	114	2.21	1.9
Queenston	Nia.	P.V.	3,583.48	273,292	80	285	3.73	1.3
Richmond	E.O.	409	1,949.90	82,361	74	93	2.20	2.4
Richmond Hill	Nia.	1,317	9,279.88	704,439	380	154	2.04	1.3
Ridgetown	Nia.	1,981	9,057.22	596,550	578	86	1.31	1.5
Ripley	G.B.	439	3,182.77	69,404	130	44	2.04	4.6
Rockwood	Nia.	P.V.	4,063.67	200,560	170	98	1.99	2.0
Rodney	Nia.	763	3,447.35	165,665	248	56	1.16	2.1
Rosseau	G.B.	310	2,839.19	44,046	70	52	3.38	6.4
Russell	E.O.	P.V.	2,782.71	96,157	115	70	2.02	2.9
St. Clair Beach	Nia.	133 *400s	2,243.85	88,220	77	95	2.43	2.5
St. George	Nia.	P.V.	3,214.29	146,709	150	82	1.79	2.2
St. Jacobs	Nia.	P.V.	3.909,36	289,160	135	178	2.41	1.4
Scarboro Twp	Nia.	....	117,936.04	7,298,522	5,195	117	1.89	1.6
Seaforth	Nia.	1,771	10,669.03	634,776	508	104	1.75	1.7
Shelburne	G.B.	1,018	5,768.10	231,560	308	63	1.56	2.5

†Summer resort—Population in August is about 4,500.
*Summer resort—Population in August is about 400.

"D"—Continued

in Ontario Municipalities Served by the Commission and for Power Service during the year 1940

VILLAGES AND SUBURBAN AREAS

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	
$ c.	kw-hr.		kw-hr.	$ c.	cents	$ c.			
4,750.13	211,021	94	187	4.21	2.3	5,702.18	14	302.6	480
5,560.13	379,496	95	333	4.88	1.5	1,808.41	8	82.5	642
3,696.44	200,809	57	294	5.40	1.8	675.32	2	44.0	263
29,848.22	1,255,118	333	314	7.47	2.4	45,385.78	42	1,426.5	5,840
4,681.08	255,726	93	229	4.19	1.8	2,079.23	8	144.5	483
2,485.72	67,820	56	101	3.70	3.7	502.39	3	28.2	294
1,583.14	67,827	33	171	4.00	2.3	6,302.84	36	189.1	165
1,647.52	72,398	35	172	3.92	2.3	3,425.65	6	147.7	203
2,310.08	57,079	37	128	5.20	4.1	48.54	1	3.0	217
2,466.30	119,461	47	212	4.37	2.1	491.91	3	24.4	184
2,695.08	83,050	57	121	3.94	3.2	1,043.35	4	37.6	266
5,692.19	299,929	103	243	4.61	1.9	6,486.81	12	388.3	507
3,516.85	106,510	77	115	3.81	3.3	1,680.84	5	51.5	380
1,162.72	64,820	24	225	4.04	1.8	1.314.23	1	49.1	139
2,241.95	78,617	43	152	4.34	2.9	36,784.59	10	1.427.1	374
7,105.97	476,648	89	446	6.65	1.5	4,152.21	9	171.6	653
3,648.55	214,673	57	314	5.33	1.7	5,839.21	14	317.6	667
4,987.52	270,070	119	189	3.49	1.8	4,310.49	15	227.9	794
6,161.25	268,214	113	198	4.54	2.3	3,092.77	6	209.4	581
723.79	23,441	20	98	3.02	3.1	48.69	1	1.3	252
3,122.26	98,890	81	102	3.21	3.2	2,469.28	11	115.1	446
2,165.49	91,291	40	190	4.51	2.4	103.73	3	4.1	190
4,606.46	194,426	101	160	3.80	2.4	4,339.45	9	200.7	848
276.76	4,565	12	32	1.92	6.1	81.61	1	2.0	45
1,025.79	41,697	20	174	4.27	2.5	1,691.11	3	71.2	114
1,661.77	102,961	13	660	10.65	1.6	....	......	....	93
1,542.39	52,249	25	174	5.14	3.0	....	......	....	99
4,542.72	288,024	69	348	5.49	1.6	2,268.22	13	129.3	462
7,786.34	446,938	141	264	4.60	1.7	4,458.49	19	261.3	738
1,665.95	37.734	48	66	2.89	4.4	1,361.71	1	53.8	179
861.52	43,449	27	134	2.66	2.0	291.13	2	12.4	199
2,563.56	105,841	79	112	2.70	2.4	1,718.12	5	104.4	332
1,034.13	17,178	18	80	4.79	6.0	....	......	....	88
1,603.38	40,517	32	106	4.18	4.0	....	......	....	147
2,468.91	94,240	7	1,121	29.39	2.6	252.94	1	10.0	85
1,504.63	67,782	33	171	3.80	2.2	2,247.09	1	84.4	184
1,702.65	73,575	31	198	4.58	2.3	3,675.49	7	186.5	173
26,394.57	1,351,922	364	310	6.04	1.9	27,587.77	36	1,121.4	5,595
6,463.16	405,297	130	260	4.14	1.6	4,359.61	15	276.4	653
3,666.89	159,968	75	177	4.07	2.3	2,745.03	15	201.5	398

STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Population	Domestic service					
			Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			$ c.	kw-hr.		kw-hr.	$ c.	cents
Sioux Lookout	N.O.P.	1,933	16,142.24	298,494	509	49	2.64	5.4
Southampton	G.B.	1,515	10,040.53	514,302	519	83	1.61	2.0
Springfield	Nia.	395	1,823.81	64,734	107	50	1.42	2.8
Stamford Twp.	Nia.	....	59,992.02	4,896,503	1,962	208	2.55	1.2
Stayner	G.B.	1,013	5,091.66	262,832	280	78	1.52	1.9
Stirling	E.O.	981	5,292.42	360,298	281	107	1.57	1.5
Stouffville	Nia.	1,192	7,048.10	370,350	388	80	1.51	1.9
Streetsville	Nia.	697	4,675.71	319,684	184	145	2.12	1.5
Sunderland	G.B.	P.V.	2,860.41	89,956	118	64	2.02	3.2
Sutton	Nia.	853	8,699.02	327,480	447	61	1.62	2.7
Tara	G.B.	483	3,232.07	98,915	149	55	1.81	3.3
Tavistock	Nia.	1,080	7,911.45	587,635	296	165	2.23	1.3
Teeswater	G.B.	840	5,167.45	152,852	224	57	1.92	3.4
Thamesford	Nia.	P.V.	3,263.47	236,685	136	145	2.00	1.4
Thamesville	Nia.	826	3,794.56	204,110	246	69	1.29	1.9
Thedford	Nia.	648	3,070.89	88,710	153	48	1.67	3.5
Thorndale	Nia.	P.V.	1,743.23	57,064	75	63	1.94	3.1
Thornton	G.B.	P.V.	1,540.31	23,701	65	30	1.97	6.5
Tilbury	Nia.	1,989	6,900.43	433,644	464	78	1.24	1.6
Toronto Twp.	Nia.	....	71,104.62	5,366,099	2,441	183	2.43	1.3
Tottenham	G.B.	532	3,656.61	100,347	123	68	2.48	3.6
Trafalgar Twp. No. 1	Nia.	....	15,261.10	826,233	374	184	3.40	1.8
Trafalgar Twp. No. 2	Nia.	....	4,385.54	171,746	126	114	2.90	2.6
Tweed	E.O.	1,246	6,142.26	238,341	306	65	1.67	2.6
Uxbridge	G.B.	1,535	8,827.05	417,330	405	86	1.82	2.1
Victoria Harbour	G.B.	979	3,796.73	172,010	229	63	1.38	2.2
Wardsville	Nia.	233	1,433.81	38,147	59	54	2.03	3.6
Warkworth	E.O.	P.V.	2,187.08	59,919	134	37	1.36	3.7
Waterdown	Nia.	892	4,914.86	319,450	256	104	1.60	1.5
Waterford	Nia.	1,284	6,271.99	383,094	364	88	1.44	1.6
Watford	Nia.	970	7,471.47	377,120	295	107	2.11	2.0
Waubaushene	G.B.	P.V.	3,516.51	162,778	226	60	1.30	2.2
Wellesley	Nia.	P.V.	2,398.23	101,461	131	65	1.53	2.4
Wellington	E.O.	934	5,958.55	276,475	329	70	1.51	2.2
West Lorne	Nia.	783	3,217.76	159,587	221	60	1.21	2.0
Westport	E.O.	710	3,599.06	97,287	129	63	2.32	3.7
Wheatley	Nia.	770	3,886.41	156,499	228	57	1.42	2.5
Wiarton	G.B.	1,760	7,410.55	287,790	409	59	1.51	2.6
Williamsburg	E.O.	P.V.	1,904.26	155,780	96	135	1.65	1.2
Winchester	E.O.	1,059	6,361.89	431,227	292	123	1.82	1.5
Windermere	G.B.	118	2,499.83	45,230	60	63	3.47	5.5
Woodbridge	Nia.	914	7,499.40	470,858	295	133	2.12	1.6
Woodville	G.B.	425	2,209.24	89,270	108	69	1.70	2.5
Wyoming	Nia.	530	2,494.94	92,000	156	49	1.33	2.7
Zurich	Nia.	P.V.	3,294.38	119,058	140	71	1.96	2.8

"D"—Concluded

in Ontario Municipalities Served by the Commission and for Power Service during the year 1940

VILLAGES AND SUBURBAN AREAS

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	
$ c.	kw-hr.		kw-hr.	$ c.	cents	$ c.			
13,412.08	261,962	115	190	9.72	5.1	656.38	2	29.8	626
4,659.32	189,961	96	165	4.04	2.5	4,456.70	12	187.2	627
829.71	23,946	34	59	2.03	3.5	793.11	3	42.9	144
12,035.72	801,617	161	415	6.23	1.5	15,252.52	18	895.8	2,141
3,695.04	174,086	93	156	3.31	2.1	2,114.84	15	179.0	388
3,815.75	170,833	78	183	4.08	2.2	1,568.82	12	87.2	371
3,727.54	163,069	90	151	3.45	2.3	942.38	5	56.8	483
1,834.77	121,379	48	211	3.19	1.5	3,256.61	6	123.0	238
1,574.90	50,334	43	98	3.05	3.1	229.53	2	12.8	163
4,051.20	135,590	80	141	4.22	3.0	1,037.93	3	34.8	530
1,640.13	58,611	38	129	3.60	2.8	1,327.14	5	48.5	192
3,806.92	152,447	96	132	3.30	2.5	9,165.91	9	382.7	401
2,818.78	69,503	54	107	4.35	4.1	1,208.68	4	88.0	282
1,724.39	95,847	40	199	3.59	1.8	1,696.93	7	90.5	183
3,215.84	194,651	77	211	3.48	1.7	1,825.72	7	88.4	330
2,525.15	69,291	49	118	4.29	3.6	925.05	3	31.7	205
819.61	25,071	23	91	2.97	3.3	1,112.39	2	35.8	100
503,30	12,982	14	77	3.00	3.9	327.96	2	16.4	81
8,879.75	652,060	132	412	5.61	1.4	10,341.52	12	733.4	608
21,698.56	837,415	175	399	10.33	2.6	8,644.91	39	447.0	2,655
1,844.44	35,584	46	64	3.34	5.2	587.48	7	21.5	176
706.94	24,700	4	515	14.73	2.9	612.46	9	27.0	387
827.89	45,578	18	211	3.83	1.8	89.62	1	5.0	145
5,185.74	196,134	86	190	5.02	2.6	3,183.92	14	131.0	406
4,965.65	157,805	101	130	4.10	3.1	2,083.25	10	106.9	516
540.91	30,423	14	181	3.22	1.8	94.50	1	3.0	244
1,043.21	23,906	24	83	3.62	4.3	45.63	1	3.0	84
1,330.20	45,211	45	84	2.46	2.9	....	......	....	179
1,639.98	96,805	34	237	4.02	1.7	1,391.62	7	90.7	297
3,031.33	198,920	80	207	3.16	1.5	5,816.23	14	402.8	458
3,249.04	164,500	77	152	3.52	2.0	3,997.79	6	145.9	378
558.16	28,178	17	138	2.74	2.0	253.88	3	9.5	246
1,620.24	49,244	49	84	2.76	3.3	1,343.74	4	61.7	184
2,633.49	110,508	67	137	3.28	2.4	1,038.89	5	45.3	401
2,202.30	102,196	57	149	3.22	2.2	2,524.53	6	128.6	284
3,094.80	91,981	49	156	5.26	3.4	....	......	....	178
3,267.73	129,307	70	154	3.89	2.5	3,020.96	6	120.7	304
7,898.07	311,874	114	228	5.77	2.5	4,174.18	16	174.0	539
2,970.23	148,500	47	263	5.27	2.0	137.61	1	12.5	144
4,351.34	227,611	87	218	4.17	1.9	1,674.92	3	69.7	382
1,111.55	29,596	15	164	6.18	3.8	133.70	1	7.5	76
2,166.44	105,720	48	184	3.76	2.0	9,726.02	7	442.4	350
1,159.90	36,005	28	107	3.45	3.2	604.48	2	36.9	138
1,512.13	43,050	51	70	2.47	3.5	261.23	3	17.0	210
2,755.49	73,796	41	150	5.60	3.7	....	......	....	181

STATEMENT "E"

Cost of Power to Municipalities and Rates to Consumers for Domestic Service—Commercial Light Service—Power Service in Ontario Urban Municipalities Served by The Hydro-Electric Power Commission for the year 1940

In Statement "E" are presented the rate schedules applicable to consumers for domestic service, for commercial light service and for power service in each of the co-operating municipalities receiving service at cost through The Hydro-Electric Power Commission.* The cost per horsepower of the power supplied at wholesale by the Commission to the municipality, an important factor in determining rates to consumers, is also stated.

Cost of Power to Municipalities

The figures in the first column represent the total cost for the year of the power supplied by the Commission to the municipality, divided by the number of horsepower supplied. Details respecting these costs are given in the "Cost of Power" tables relating to the several systems, as presented in Section IX, and an explanation of the items making up the cost of power is given in the introduction to that Section.

Rates to Consumers

The Power Commission Act stipulates that "The rates chargeable by any municipal corporation generating or receiving and distributing electrical power or energy shall at all times be subject to the approval and control of the Commission,"† in accordance with the Act and in pursuance of its fundamental principle of providing service at cost, the Commission requires that accurate cost records be kept in each municipality, and exercises a continuous supervision over the rates charged to consumers.

At the commencement of its operations, the Commission introduced scientifically-designed rate schedules for each of the three main classes into which the electrical service is usually divided, namely: residential or domestic service, commercial light service, and power service, and the schedules in use during the past year are presented in the tables of this statement.

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*Except townships served as parts of rural power districts, for which consult latter part of Section III.

†R.S.O. 1937, Ch. 62, Sec. 89.

Domestic Service: Domestic rates apply to electrical service in residences, for all household purposes, including lighting, cooking and the operation of all domestic appliances.

During the past few years most of the urban municipal utilities have further simplified the domestic rate structure by abolishing the service charge, and making a suitable adjustment in the first consumption rate. Where the service charge is retained at 33 and 66 cents gross per month the charge of 33 cents per month per service is made when the permanently installed appliance load is under 2,000 watts, and the charge of 66 cents per month when 2,000 watts or more.

Commercial Light Service: Electrical energy used in stores, offices, churches, schools, public halls and institutions, hotels, public boarding-houses, and in all other premises for commercial purposes, including sign and display lighting, is billed at commercial lighting rates.

Water-Heater Service: For all consumers using continuous electric water heaters, low flat rates are available consisting of a fixed charge per month dependent on the capacity of the heating element and the cost of power to the municipal utility. Such heaters are so connected that the electrical energy they consume is not metered. For new installations the necessary equipment, including heater, thermostat, efficient insulation for water-storage tank, and wiring, is installed by a large number of municipal Hydro systems, without capital cost to the consumer.†

Power Service: The rate schedules given for power service in Statement "E" are those governing the supply of power at retail by each of the local municipal utilities. The Commission serves direct, certain large power consumers under special contracts, on behalf of the various systems of municipalities.

The rates for power service, as given in the tables, are the rates for 24-hour unrestricted power at secondary distribution voltage. For service at primary distribution voltage the rates are usually five per cent lower than those stated. In municipalities where load conditions and other circumstances permit, lower rates are available for "restricted power," discounts additional to those listed in the table being applicable.

The service charge relates to the connected load or to the maximum demand, as measured by a 10-minute average peak, where a demand meter is installed. The prompt payment discount of 10 per cent on the total monthly bill is given for settlement within 10 days.

Under the tabulation of rates for power service there is a column headed "Basis of rate 130 hours' monthly use of demand." This column shows approximately the net annual amount payable for a demand of one horsepower, assuming a monthly use of 130 hours, which includes 30 hours' use each month at the third energy rate. Broadly, the figures in this column serve to indicate approximately the relative cost of power service in the different municipalities listed.

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†In addition, the municipal Hydro systems supply booster water-heating equipment to furnish extra requirements beyond the capacity of the continuous heater; current for the booster heater is measured and charged for at the regular rates.

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1940, in Urban Municipalities

Municipality C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month*	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
	$ c.	cents		cents	cents	$ c.	%
Acton	27.67	....	60	2.5	1.0	0.83	10
Agincourt	29.72	....	60	3.4	1.1	1.11	10
Ailsa Craig	39.43	....	60	2.8	0.9	0.83	10
Alexandria T	48.11	....	60	5.0	1.2	1.11	10
Alliston T	44.30	....	40	5.3	1.3	1.39	10
Alvinston	48.56	....	60	4.7	1.2	1.38	10
Amherstburg T	32.53	....	60	3.4	0.9	0.83	10
Ancaster Twp.	25.63	....	60	3.8	1.3	0.83	10
AppleHill	41.39	....	60	5.0	1.3	1.66	10
Arkona	51.92	....	60	5.0	1.8	1.78	10
Arnprior T	26.61	....	55	4.2	1.0	0.83	10
Arthur	59.27	33–66	40	4.8	1.5	1.67	10
Athens	41.72	33–66	50	4.5	1.5	1.11	10
Aylmer T	27.98	....	60	2.3	0.8	0.83	10
Ayr	29.69	....	60	3.4	1.1	1.11	10
Baden	27.33	....	60	2.5	1.0	0.83	10
Barrie T	31.60	....	60	2.7	1.0	0.83	10
Bath	46.45	33–66	40	6.0	1.5	2.78	10
Beachville	28.24	....	60	3.1	1.1	0.83	10
Beamsville	24.69	....	60	3.3	1.0	0.83	10
Beaverton	37.84	....	60	2.8	1.0	1.1	10
Beeton	62.00	....	40	5.5	1.8	1.67	10
Belle River	31.37	....	60	3.6	1.0	1.11	10
Belleville C	24.94	....	55	1.9	0.7	0.83	10
Blenheim T	30.08	....	60	2.5	0.9	0.83	10
Bloomfield	41.12	....	50	3.4	1.3	1.11	10
Blyth	38.71	....	60	3.5	1.1	1.39	10
Bolton	33.57	....	55	3.5	1.1	1.11	10
Bothwell T	34.08	....	60	2.4	0.8	0.83	10
Bowmanville T	29.95	....	60	3.5	1.0	0.83	10
Bradford	47.15	....	40	5.2	1.3	1.67	10
Brampton T	24.86	....	60	2.3	1.0	0.83	10
Brantford C	24.10	....	60	2.3	0.9	0.83	10
Brantford Twp.	27.60	....	60	2.7	1.0	1.11	10
Brechin	46.41	....	45	5.5	1.2	1.67	10
Bridgeport	29.63	....	50	4.5	1.3	1.11	10
Brigden	43.25	....	60	3.6	0.9	1.39	10
Brighton	29.93	....	60	4.2	1.2	1.11	10
Brockville T	26.39	....	60	1.8	0.8	0.83	10
Brussels	37.42	....	50	3.8	1.1	1.39	10

*Where domestic service charge has not been abolished the charge is 33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when 2,000 watts or more.

"E"

Domestic Service—Commercial Light Service—Power Service Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p per month	Local discount	Prompt payment discount
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
5.0	1.8	0.5	0.83	10	21.00	1.00	1.8	1.1	0.33	......	10	10
5.0	3.0	0.6	1.11	10	23.00	1.00	2.1	1.4	0.33	......	10	10
5.0	2.2	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	4.2	0.8	1.66	10	42.00	1.00	4.6	3.0	0.33	......	..	10
5.0	4.3	1.0	1.39	10	30.00	1.00	2.8	1.8	0.33	......	..	10
5.0	4.3	1.0	1.38	10	53.00	1.00	6.2	4.1	0.33	......	..	10
5.0	2.5	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	3.0	0.7	0.83	10	28.00	1.00	2.5	1.6	0.33	......	..	10
5.0	5.0	1.0	1.66	10	40.00	1.00	4.3	2.8	0.33	......	..	10
5.0	5.0	1.0	1.78	10	53.00	1.00	6.2	4.1	0.33	......	..	10
5.0	4.2	1.0	0.83	10	22.00	1.00	1.9	1.3	0.33	......	10	10
5.0	5.0	1.0	1.67	10	40.00	1.00	4.3	2.8	0.33	......	..	10
5.0	4.5	1.0	1.11	10	42.00	1.00	4.6	3.0	0.33	......	..	10
5.0	1.9	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	2.5	0.7	1.11	10	32.00	1.00	3.1	2.0	0.33	......	..	10
5.0	2.2	0.7	0.83	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	2.1	0.8	0.83	10	18.00	1.00	1.9	1.2	0.33	......	25	10
5.0	6.0	1.0	2.78	10	35.00	1.00	3.5	2.3	0.33	......	..	10
5.0	2.6	0.6	0.83	10	21.00	1.00	1.8	1.1	0.33	......	10	10
5.0	3.0	0.6	0.83	10	25.00	1.00	2.0	1.3	0.33	......	..	10
5.0	2.0	0.8	1.11	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	5.5	1.0	1.67	10	35.00	1.00	3.5	2.3	0.33	......	..	10
5.0	2.7	0.6	1.11	10	32.00	1.00	3.1	2.0	0.33	......	..	10
4.5	1.6	0.35	0.83	10	15.00	1.00	1.3	0.8	0.33	......	25	10
5.0	2.0	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	3.0	1.0	1.11	10	38.00	1.00	4.0	2.6	0.33	......	..	10
5.0	3.4	1.0	1.39	10	45.00	1.00	4.9	3.3	0.33	......	..	10
5.0	3.0	1.0	1.11	10	25.00	1.00	2.0	1.3	0.33	......	..	10
5.0	2.0	0.5	0.83	10	27.00	1.00	2.3	1.5	0.33	......	..	10
5.0	2.6	0.7	0.83	10	22.00	1.00	1.9	1.3	0.33	......	10	10
5.0	4.4	1.0	1.67	10	30.00	1.00	2.8	1.8	0.33	......	..	10
5.0	1.8	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	......	25	10
†5.0	1.6	0.35	0.83	10	17.00	1.00	1.7	1.1	0.33	......	25	10
5.0	2.2	0.5	1.11	10	21.00	1.00	1.8	1.1	0.33	......	10	10
5.0	4.8	0.8	1.67	10	38.00	1.00	4.0	2.6	0.33	......	..	10
5.0	4.0	0.7	1.11	10	32.00	1.00	3.1	2.0	0.33	......	..	10
5.0	3.0	0.9	1.39	10	42.00	1.00	4.6	3.0	0.33	......	..	10
5.0	3.6	0.8	1.11	10	26.00	1.00	2.2	1.4	0.33	......	..	10
4.5	1.6	0.4	0.83	10	16.00	1.00	1.5	0.9	0.33	......	25	10
5.0	3.3	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	......	..	10

†Min. 500 watts.

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1940, in Urban Municipalities

Municipality C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service: Service charge per month	Domestic service: First rate: Number of kw-hrs. per month	Domestic service: First rate: Per kw-hr. per month	Domestic service: All additional per kw-hr.	Domestic service: Minimum gross monthly bill	Domestic service: Prompt payment discount
	$ c.	cents		cents	cents	$ c.	%
Burford	27.88	....	60	2.9	0.9	0.83	10
Burgessville	39.78	....	60	5.0	1.5	1.39	10
Caledonia	27.77	....	60	2.5	0.8	0.83	10
Campbellville	48.51	....	45	5.0	1.5	1.67	10
Cannington	38.46	....	55	3.6	1.5	1.11	10
Cardinal	27.60	....	55	2.5	1.1	1.11	10
Carleton Place....T	26.08	....	55	2.8	1.0	0.83	10
Cayuga	35.82	....	60	3.8	1.1	1.39	10
Chatham....C	25.59	....	60	3.0	0.9	0.83	10
Chatsworth	38.78	....	45	3.5	1.2	1.39	10
Chesley....T	35.16	....	55	2.9	1.1	1.11	10
Chesterville	32.17	....	55	2.3	1.0	0.83	10
Chippawa	19.77	....	60	2.8	0.9	1.11	10
Clifford	42.13	....	55	3.5	1.2	1.39	10
Clinton....T	29.84	....	60	2.8	1.1	1.11	10
Cobden	46.58	....	30	4.0	1.0	1.39	10
Cobourg....T	29.73	....	55	3.4	1.1	0.83	10
Colborne	33.27	....	60	4.0	1.1	0.83	10
Coldwater	36.30	33–66	55	2.5	1.0	1.11	10
Collingwood....T	33.90	....	55	2.8	1.0	0.83	10
Comber	38.30	....	60	3.6	0.9	1.11	10
Cookstown	42.11	....	40	5.2	1.2	1.67	10
Cottam	36.67	....	60	3.6	1.0	1.39	10
Courtright	56.76	....	55	4.0	1.2	1.39	10
Creemore	42.48	....	45	3.8	1.0	1.39	10
Dashwood	34.96	....	60	4.2	1.0	1.11	10
Delaware	29.97	....	60	3.5	1.2	1.11	10
Delhi	29.69	....	60	3.6	1.0	0.83	10
Deseronto....T	41.68	....	50	4.8	1.2	0.83	10
Dorchester	32.04	....	60	3.0	1.1	0.83	10
Drayton	43.49	....	55	4.0	1.3	1.11	10
Dresden....T	32.36	....	60	2.6	0.8	0.83	10
Drumbo	31.65	....	60	3.8	1.1	1.11	10
Dublin	43.11	....	60	3.5	1.2	1.11	10
Dundalk	35.88	....	55	3.0	1.0	1.11	10
Dundas....T	22.75	....	60	2.5	0.9	0.83	10
Dunnville....T	22.51	....	60	2.4	0.8	0.83	10
Durham....T	38.74	....	55	2.5	1.0	0.83	10
Dutton	31.98	....	60	2.1	0.8	0.83	10
East York Twp	26.44	....	60	2.5	1.1	0.83	10
Elmira....T	27.70	....	60	3.4	1.0	0.83	10
Elmvale	37.51	....	55	3.4	1.2	0.83	10
Elmwood	40.07	....	45	4.0	1.0	1.39	10
Elora	29.37	....	60	3.1	1.2	1.11	10
Embro	32.48	....	60	3.4	1.2	1.39	10

"E"—Continued

Domestic Service—Commercial Light Service—Power Service Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
5.0	2.0	0.6	0.83	10	21.00	1.00	1.8	1.1	0.33	......	10	10
5.0	4.5	1.0	1.39	10	35.00	1.00	3.5	2.3	0.33	......	..	10
5.0	2.0	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	5.0	1.0	1.67	10	40.00	1.00	4.3	2.8	0.33	......	..	10
5.0	2.8	1.0	1.11	10	33.00	1.00	3.2	2.1	0.33	......	..	10
5.0	2.3	1.0	1.11	10	32.00	1.00	3.1	2.0	0.33	......	..	10
5.0	2.2	0.8	0.83	10	18.00	1.00	1.9	1.2	0.33	......	25	25
5.0	3.5	1.0	1.39	10	32.00	1.00	3.1	2.0	0.33	......	..	10
5.0	2.3	0.6	0.83	10	21.00	1.00	1.8	1.1	0.33	......	10	10
5.0	3.0	1.0	1.39	10	30.00	1.00	2.8	1.8	0.33	......	..	10
5.0	2.4	0.8	1.11	10	22.00	1.00	1.9	1.3	0.33	......	10	10
5.0	2.3	1.0	0.83	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	2.0	0.6	1.11	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	3.5	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	......	..	10
5.0	2.4	0.7	1.11	10	26.00	1.00	2.2	1.4	0.33	......	..	10
5.0	4.0	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	......	..	10
5.0	2.7	0.9	0.83	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	3.0	1.0	0.83	10	32.00	1.00	3.1	2.0	0.33	......	..	10
5.0	2.5	1.0	1.11	10	28.00	1.00	2.5	1.6	0.33	......	..	10
5.0	2.3	0.8	0.83	10	18.00	1.00	1.9	1.2	0.33	......	25	25
5.0	2.9	0.9	1.11	10	27.00	1.00	2.3	1.5	0.33	......	..	10
5.0	4.5	1.0	1.67	10	32.00	1.00	3.1	2.0	0.33	......	..	10
5.0	2.8	0.9	1.39	10	30.00	1.00	2.8	1.8	0.33	......	..	10
5.0	4.0	1.0	1.39	10	50.00	1.00	5.7	3.8	0.33	......	..	10
5.0	3.0	0.9	1.39	10	26.00	1.00	2.2	1.4	0.33	......	..	10
5.0	3.9	0.9	1.11	10	40.00	1.00	4.3	2.8	0.33	......	..	10
5.0	3.0	1.0	1.11	10	30.00	1.00	2.8	1.8	0.33	......	..	10
5.0	2.8	0.9	0.83	10	36.00	1.00	3.7	2.4	0.33	......	..	10
5.0	3.8	1.0	0.83	10	30.00	1.00	2.8	1.8	0.33	......	..	10
5.0	2.2	1.0	0.83	10	27.00	1.00	2.3	1.5	0.33	......	..	10
5.0	3.4	0.7	1.11	10	32.00	1.00	3.1	2.0	0.33	......	..	10
5.0	2.0	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	3.0	0.8	1.11	10	28.00	1.00	2.5	1.6	0.33	......	..	10
5.0	3.5	1.0	1.11	10	36.00	1.00	3.7	2.4	0.33	......	..	10
5.0	2.5	0.8	1.11	10	23.00	1.00	2.1	1.4	0.33	......	10	10
5.0	1.9	0.5	0.83	10	16.00	1.00	1.5	0.9	0.33	......	25	10
5.0	2.0	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	......	25	10
5.0	2.1	0.8	0.83	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	1.8	0.4	0.83	10	18.00	1.00	1.9	1.2	0.33	......	25	10
5.0	2.0	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	2.8	0.7	0.83	10	22.00	1.00	1.9	1.3	0.33	......	10	10
5.0	2.4	1.0	0.83	10	28.00	1.00	2.5	1.6	0.33	......	..	10
5.0	3.2	0.8	1.39	10	33.00	1.00	3.2	2.1	0.33	......	..	10
5.0	2.8	0.7	1.11	10	21.00	1.00	1.8	1.1	0.33	......	10	10
5.0	2.8	0.8	1.39	10	35.00	1.00	3.5	2.3	0.33	......	..	10

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1940, in Urban Municipalities

Municipality C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
	$ c.	cents		cents	cents	$ c.	%
Erieau	37.72	....	60	3.8	1.1	1.39	10
Erie Beach	44.98	....	60	5.3	1.5	1.67	10
Essex T	29.74	....	60	2.5	0.9	0.83	10
Etobicoke Twp.	23.97	....	60	2.7	1.1	0.83	10
Exeter	29.88	....	60	3.0	0.9	0.83	10
Fergus	28.45	....	55	3.3	1.3	1.11	10
Finch	38.66	....	45	3.0	1.2	1.39	10
Flesherton	43.78	....	55	3.0	1.0	1.11	10
Fonthill	27.76	....	60	3.0	1.1	1.11	10
Forest T	35.89	....	60	3.5	0.9	1.11	10
Forest Hill	24.44	33–66	60	2.0	1.3	0.83	10
Fort William C	21.07	....	60	2.1	0.9	0.83	10
Galt C	24.01	....	60	2.8	0.8	0.83	10
Gamebridge	.....	....	45	5.5	1.2	1.67	10
Georgetown T	28.97	....	60	3.0	0.9	0.83	10
Glencoe	41.02	...	60	4.0	0.9	1.11	10
Glen Williams	.....	33–66	60	2.7	1.1	0.83	10
Goderich T	32.60	....	55	3.3	1.0	0.83	10
Grand Valley	50.61	....	45	5.0	1.2	1.39	10
Granton	37.60	....	60	3.3	1.2	1.11	10
Gravenhurst T	25.07	....	55	2.2	0.9	0.83	10
Guelph C	23.97	....	60	2.0	0.8	0.83	10
Hagersville	29.42	....	60	2.5	1.0	0.83	10
Hamilton C	21.94	....	60	2.4	0.8	0.83	10
Hanover T	32.32	....	60	2.8	1.3	0.83	10
Harriston T	33.59	....	55	3.0	1.0	1.11	10
Harrow T	33.01	....	60	3.3	1.0	0.83	10
Hastings	37.08	....	45	4.2	1.2	1.11	10
Havelock	42.85	....	50	4.2	1.2	0.83	10
Hensall	37.58	....	60	3.5	1.1	1.11	10
Hespeler T	23.98	....	60	3.0	0.9	0.83	10
Highgate	36.91	....	60	3.2	0.9	1.11	10
Holstein	77.04	....	40	5.5	1.3	1.67	10
Humberstone	24.27	....	60	2.6	0.8	0.83	10
Huntsville T	29.19	....	60	2.0	0.9	0.83	10
Ingersoll T	24.97	....	60	2.4	0.9	0.83	10
Iroquois	27.29	33	60	3.0	‡2.0 ‡‡1.0	0.83	10
Jarvis	35.27	....	60	3.4	1.0	1.11	10
Kemptville	31.57	....	55	3.5	1.2	0.83	10
Kincardine T	40.39	....	40	4.5	1.3	1.11	10
Kingston C	26.98	....	50	2.2	0.8	0.83	10
Kingsville T	31.27	....	60	2.8	0.9	0.83	10
Kirkfield	55.65	33–66	40	5.5	1.5	2.22	10
Kitchener C	23.45	....	60	2.3	1.0	0.83	10
Lakefield	35.56	..	50	3.6	1.2	0.83	10

‡Next 60 kw-hrs.

‡‡All additional.

"E"—Continued

Domestic Service—Commercial Light Service—Power Service Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
5.0	3.6	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	2.22		10
5.0	5.0	1.0	1.67	10	50.00	1.00	5.7	3.8	0.33	......	..	10
5.0	2.0	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	......	25	10
5.0	2.0	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	2.2	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	2.6	0.7	1.11	10	22.00	1.00	1.9	1.3	0.33	......	10	10
5.0	2.8	1.0	1.39	10	35.00	1.00	3.5	2.3	0.33	......	..	10
5.0	2.5	0.8	1.11	10	30.00	1.00	2.8	1.8	0.33	......	..	10
5.0	2.6	0.6	1.11	10	30.00	1.00	2.8	1.8	0.33	......	..	10
5.0	3.0	0.6	1.11	10	30.00	1.00	2.8	1.8	0.33	......	..	10
5.0	2.0	0.75	0.83	10	21.00	1.00	1.8	1.1	0.33	......	..	10
5.0	2.0	0.4	0.83	10	17.00	1.00	1.7	1.1	‡0.33 ‡‡0.133	....	25	10
5.0	2.3	0.4	0.83	10	18.00	1.00	1.9	1.2	0.33	......	25	10
5.0	4.8	0.8	1.67	10	38.00	1.00	4.0	2.6	0.33	......	..	10
5.0	2.0	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	......	25	10
5.0	3.1	1.0	1.11	10	34.00	1.00	3.4	2.2	0.33	......	..	10
5.0	2.8	0.75	0.83	10	30.00	1.00	2.8	1.8	0.33	......	..	10
5.0	2.7	0.6	0.83	10	25.00	1.00	2.0	1.3	0.33	......	..	10
5.0	4.3	1.0	1.39	10	33.00	1.00	3.2	2.1	0.33	......	..	10
5.0	2.6	1.0	1.11	10	27.00	1.00	2.3	1.5	0.33	......	..	10
5.0	1.8	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	......	25	10
5.0	1.6	0.3	0.83	10	14.00	1.00	1.1	0.7	0.33	......	25	10
5.0	2.0	0.75	0.83	10	20.00	1.00	1.6	1.0	0.33	......	10	10
†5.0	1.6	0.35	0.83	10	16.00	1.00	1.5	0.9	0.25	......	25	10
5.0	2.3	0.8	0.83	10	21.00	1.00	1.8	1.1	0.33	......	10	10
5.0	2.6	0.7	1.11	10	25.00	1.00	2.0	1.3	0.33	......	..	10
5.0	2.6	0.7	0.83	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	3.8	1.0	1.11	10	37.00	1.00	3.8	2.5	0.33	......	..	10
5.0	3.8	1.0	0.83	10	35.00	1.00	3.5	2.3	0.33	......	..	10
5.0	3.1	1.0	1.11	10	26.00	1.00	2.2	1.4	0.33	......	..	10
5.0	2.2	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	......	25	10
5.0	2.8	0.7	1.11	10	29.00	1.00	2.6	1.7	0.33	......	..	10
5.0	5.0	0.8	1.67	10	50.00	1.00	5.7	3.8	0.33	......	..	10
5.0	2.0	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	1.8	0.7	0.83	10	18.00	1.00	1.9	1.2	0.33	......	25	10
5.0	1.9	0.5	0.83	10	17.00	1.00	1.7	1.1	0.33	......	25	10
*a*3.3	*b*5.0	*c*3.0 *d*1.0	0.83	10	25.00	1.00	2.0	1.3	0.33	......	..	10
5.0	2.6	0.7	1.11	10	26.00	1.00	2.2	1.4	0.33	......	..	10
5.0	2.8	1.0	0.83	10	27.00	1.00	2.3	1.5	0.33	......	..	10
5.0	3.5	0.9	1.11	10	28.00	1.00	2.5	1.6	0.33	......	..	10
5.0	1.6	0.5	0.83	10	16.00	1.00	1.5	0.9	0.33	......	25	10
5.0	1.9	0.6	0.83	10	23.00	1.00	2.1	1.4	0.33	......	10	10
5.0	5.5	1.0	2.22	10	40.00	1.00	4.3	2.8	0.33	......	..	10
5.0	2.0	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	......	25	10
5.0	2.8	1.0	0.83	10	24.00	1.00	2.3	1.5	0.33	......	10	10

†Min. 500 watts.

*a*Per month.

*b*First 60 hours per month per kw-hr.

*c*Next 60 hours' use per month per kw. hr.

*d*All additional.

‡Next 360 hours' use.

‡‡All additional.

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1940, in Urban Municipalities

Municipality C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
	$ c.	cents		cents	cents	$ c.	%
Lambeth	31.48	....	60	3.0	1.0	1.11	10
Lanark	37.24	....	50	4.2	1.3	0.83	10
Lancaster	49.77	....	60	4.0	1.2	1.11	10
La Salle T	33.01	....	60	3.8	1.2	1.11	10
Leamington T	30.95	....	60	2.3	0.8	0.83	10
Leaside T	....	*a*3	..	*b*1.8	1.0	0.83	10
Lindsay T	31.53	....	60	2.5	0.9	0.83	10
Listowel T	29.35	....	55	2.7	1.0	0.83	10
London C	23.54	....	60	2.4	0.9	0.83	10
London Twp.	27.09	....	60	2.8	0.9	1.11	10
Long Branch	24.32	....	60	2.5	1.1	0.83	10
Lucan	29.27	....	60	3.4	1.1	1.11	10
Lucknow	47.26	....	45	4.3	1.3	1.67	10
Lynden	29.73	....	60	3.4	1.1	1.39	10
Madoc	43.85	....	50	3.2	1.2	0.83	10
Markdale	35.78	....	55	3.1	1.1	1.11	10
Markham	30.07	....	60	3.0	1.0	0.83	10
Marmora	35.32	....	60	4.0	1.0	1.11	10
Martintown	35.90	....	50	3.0	1.0	1.11	10
Maxville	44.04	....	55	4.5	1.2	1.11	10
Meaford T	36.89	....	60	3.0	1.1	0.83	10
Merlin	35.11	....	60	3.8	1.0	1.11	10
Merritton T	20.48	....	60	2.4	0.9	0.83	10
Midland T	31.46	....	60	2.5	1.0	0.83	10
Mildmay	40.88	....	40	3.6	1.0	1.39	10
Millbrook	38.34	33	60	5.5	1.5	0.83	10
Milton T	27.04	....	60	3.3	1.1	0.83	10
Milverton	29.29	....	60	2.7	1.0	0.90	10
Mimico T	22.91	....	60	2.7	1.1	0.83	10
Mitchell T	27.59	....	60	2.9	1.1	0.83	10
Moorefield	47.89	....	50	4.2	1.2	1.39	10
Morrisburg	31.57	....	60	3.0	1.0	0.83	10
Mount Brydges	33.50	....	60	2.8	0.9	1.11	10
Mount Forest T	40.82	....	60	3.0	1.25	0.83	10
Napanee T	28.88	....	50	3.5	1.2	0.83	10
Neustadt	46.10	....	60	6.0	1.5	1.67	10
Newbury	39.74	....	55	5.0	1.2	1.38	10
Newcastle	31.69	....	60	4.8	1.2	1.11	10
New Hamburg	27.31	....	60	3.3	1.1	0.83	10
New Toronto T	24.82	....	60	2.4	1.0	0.83	10

*a*Service charge per 100 sq. ft. floor area.
*b*First 3 kw-hrs. per 100 sq. ft.

"E"—Continued

Domestic Service—Commercial Light Service—Power Service Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
5.0	2.6	0.8	1.11	10	29.00	1.00	2.6	1.7	0.33	......	..	10
5.0	3.7	1.0	0.83	10	45.00	1.00	4.9	3.3	0.33	......	..	10
5.0	4.2	1.0	1.11	10	56.00	1.00	6.6	4.4	0.33	......	..	10
5.0	3.3	1.0	1.11	10	30.00	1.00	2.8	1.8	0.33	......	..	10
5.0	1.8	0.5	0.83	10	19.00	1.00	2.0	1.4	0.33	......	25	10
...	*c*3.0 *d*1.0	1.3	0.83	10	....	*e*1.10 0.90	2.0	1.0	*f*1/3 1/6	......	......	10
5.0	2.2	0.7	0.83	10	18.00	1.00	1.9	1.2	0.33	......	25	10
5.0	2.3	0.5	0.83	10	19.00	1.00	2.0	1.4	0.33	......	25	10
5.0	1.8	0.4	0.83	10	16.00	1.00	1.5	0.9	0.33	......	25	10
5.0	2.2	0.6	1.11	10	21.00	1.00	1.8	1.1	0.33	......	10	10
5.0	2.0	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	3.0	0.6	1.11	10	26.00	1.00	2.2	1.4	0.33	......	..	10
5.0	3.8	1.0	1.67	10	35.00	1.00	3.5	2.3	0.33	......	..	10
5.0	3.0	1.0	0.83	10	25.00	1.00	2.0	1.3	0.33	......	..	10
5.0	3.0	0.9	0.83	10	35.00	1.00	3.5	2.3	0.33	......	..	10
5.0	2.3	1.0	1.11	10	28.00	1.00	2.5	1.6	0.33	......	..	10
5.0	2.6	0.7	0.83	10	23.00	1.00	2.1	1.4	0.33	......	10	10
5.0	3.6	1.0	1.11	10	40.00	1.00	4.3	2.8	0.33	......	..	10
5.0	3.0	1.0	1.66	10	45.00	1.00	4.9	3.3	0.33	......	..	10
5.0	4.5	1.0	1.11	10	45.00	1.00	4.9	3.3	0.33	......	..	10
5.0	2.4	0.8	0.83	10	26.00	1.00	2.2	1.4	0.33	......	..	10
5.0	3.2	0.9	1.11	10	30.00	1.00	2.8	1.8	0.33	2.22	..	10
5.0	1.7	0.5	0.83	10	17.00	1.00	1.7	1.1	0.33	......	25	10
5.0	2.0	0.9	0.83	10	17.00	1.00	1.7	1.1	0.33	......	25	10
5.0	2.8	0.8	1.39	10	34.00	1.00	3.4	2.2	0.33	......	..	10
5.0	5.5	1.5	0.83	10	40.00	1.00	4.3	2.8	0.33	......	..	10
5.0	2.6	0.6	0.83	10	23.00	1.00	2.1	1.4	0.33	......	10	10
5.0	2.5	0.7	0.90	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	2.0	0.6	0.83	10	22.00	1.00	1.9	1.3	0.33	......	10	10
5.0	2.4	0.7	0.83	10	21.00	1.00	1.8	1.1	0.33	......	10	10
5.0	3.8	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	......	..	10
5.0	3.0	1.0	0.83	10	25.00	1.00	2.0	1.3	0.33	......	..	10
5.0	2.2	0.6	1.11	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	2.4	0.9	0.83	10	28.00	1.00	2.5	1.6	0.33	......	..	10
5.0	2.8	0.75	0.83	10	19.00	1.00	2.0	1.4	0.33	......	25	10
5.0	5.0	1.0	1.67	10	35.00	1.00	3.5	2.3	0.33	......	..	10
5.0	4.5	1.0	1.38	10	47.00	1.00	5.2	3.5	0.33	......	..	10
5.0	4.3	1.2	1.11	10	30.00	1.00	2.8	1.8	0.33	......	..	10
5.0	2.4	0.7	0.83	10	22.00	1.00	1.9	1.3	0.33	......	10	10
5.0	1.8	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	......	25	10

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*c*First 90 hours' use. *d*Second 90 hours' use.
*e*First 7.5 kilowatts $1.10 per kilowatt. All additional, 90 cents per kilowatt.
*f*1/3 cent per kw-hr. next 300 hours. All additional 1/6 cent per kw. hr.

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1940, in Urban Municipalities

Municipality C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to municipality on a horsepower basis	Domestic service					
		Service charge per month	First rate: Number of kw-hrs. per month	First rate: Per kw-hr. per month	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
	$ c.	cents		cents	cents	$ c.	%
Niagara Falls........C	17.28	....	60	2.2	0.8	0.83	10
Niagara-on-the-Lake T	20.16	....	60	2.6	1.0	0.83	10
Nipigon Twp.........	23.89	....	60	3.0	1.0	1.11	10
North York Twp.....	26.53	....	55	4.0	1.3	1.11	10
Norwich.............	28.09	....	60	2.8	0.9	0.83	10
Norwood.............	32.05	....	50	4.0	1.2	1.11	10
Oil Springs...........	34.20	....	60	2.6	0.9	1.11	10
Omemee.............	32.62	....	60	3.5	1.3	0.83	10
Orangeville..........T	42.29	....	55	3.0	1.0	1.11	10
Orono...............	36.44	....	60	5.5	2.0	1.11	10
Oshawa............C	29.34	....	50	3.8	1.1	0.83	10
Ottawa.............C	14.92	33–66	60 60	2.0 1.0	0.5	0.83	10
Otterville............	31.93	....	60	2.8	0.9	1.11	10
Owen Sound.........C	32.34	....	60	2.1	0.8	0.83	10
Paisley..............	45.24	....	45	5.0	1.0	1.39	10
Palmerston..........T	31.56	....	60	2.7	1.1	1.11	10
Paris...............T	24.34	....	60	2.3	0.9	0.83	10
Parkhill.............T	47.15	....	60	4.0	1.0	1.11	10
Penetanguishene.....T	34.02	....	55	3.2	1.1	0.83	10
Perth...............T	26.19	....	55	2.8	1.0	0.83	10
Peterborough........C	25.64	....	55	2.7	1.2	0.83	10
Petrolia.............T	31.78	....	60	2.7	0.8	0.83	10
Picton..............T	35.21	....	60	2.8	1.0	0.83	10
Plattsville...........	36.74	....	60	3.8	1.1	1.11	10
Point Edward........	30.75	....	60	3.2	1.0	0.83	10
Port Arthur.........C	20.73	....	50	2.0	0.8	0.83	10 & 10
Port Colborne.......T	24.12	....	60	3.0	1.0	0.83	10
Port Credit..........	26.98	....	60	2.5	1.0	0.83	10
Port Dalhousie.......	24.03	....	60	2.6	1.0	0.83	10
Port Dover..........	30.14	....	60	2.5	0.9	0.83	10
Port Elgin...........	39.09	33–66	40	2.5	1.2	1.11	10
Port Hope..........T	29.74	....	60	2.4	0.9	0.83	10
Port McNicoll........	37.37	....	50	4.0	1.5	0.83	10
Port Perry...........	42.56	....	50	4.0	1.2	1.11	10
Port Rowan..........	34.76	....	60	3.2	1.1	1.39	10
Port Stanley.........	30.99	....	60	3.1	1.0	0.83	10
Prescott............T	26.74	....	60	2.5	1.1	0.83	10
Preston.............T	23.65	....	60	2.6	0.8	0.83	10
Priceville............	56.81	33–66	60	6.0	1.5	1.67	10
Princeton	39.18	....	60	3.3	1.2	1.67	10

"E"—Continued

Domestic Service—Commercial Light Service—Power Service Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
5.0	1.6	0.35	0.83	10	15.00	1.00	1.3	0.8	0.33	......	25	10
5.0	2.2	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	2.4	0.8	1.11	10	22.00	1.00	1.9	1.3	0.33	......	10	10
5.0	3.3	0.7	1.11	10	30.00	1.00	2.8	1.8	0.33	......	..	10
5.0	2.2	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	......	25	10
5.0	3.6	1.0	1.11	10	38.00	1.00	4.0	2.6	0.33	......	..	10
5.0	2.4	0.6	1.11	10	27.00	1.00	2.3	1.5	0.33	......	..	10
5.0	3.5	1.0	0.83	10	30.00	1.00	2.8	1.8	0.33	......	..	10
5.0	2.0	0.8	1.11	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	5.5	1.5	1.11	10	40.00	1.00	4.3	2.8	0.33	......	..	10
5.0	2.8	0.8	0.83	10	21.00	1.00	1.8	1.1	0.33	......	10	10
...	†5.0 ††2.2	0.5	0.83	10	18.00	1.00	1.8	1.2	0.15	......	15&10	10
5.0	2.5	0.6	1.11	10	26.00	1.00	2.2	1.4	0.33	......	..	10
5.0	1.8	0.7	0.83	10	17.00	1.00	1.7	1.1	0.33	......	25	10
5.0	4.4	1.0	1.39	10	42.00	1.00	4.6	3.0	0.33	......	..	10
5.0	2.2	0.9	1.11	10	22.00	1.00	1.9	1.3	0.33	......	10	10
5.0	1.8	0.4	0.83	10	16.00	1.00	1.5	0.9	0.33	......	25	10
5.0	3.8	0.9	1.11	10	35.00	1.00	3.5	2.3	0.33	......	..	10
5.0	2.8	0.8	0.83	10	22.00	1.00	1.9	1.3	0.33	......	10	10
5.0	2.0	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	......	25	10
5.0	2.3	0.9	0.83	10	18.00	1.00	1.9	1.2	0.33	......	25	10
5.0	2.1	0.5	0.83	10	23.00	1.00	2.1	1.4	0.33	......	10	10
5.0	2.0	0.8	0.83	10	19.00	1.00	2.0	1.4	0.33	......	25	10
5.0	3.2	1.0	1.11	10	32.00	1.00	3.1	2.0	0.33	2.00	..	10
5.0	2.4	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	1.8	0.3	0.83	10&10	17.00	1.00	1.7	1.1	‡0.33 0.133	......	25	10
5.0	2.5	0.6	0.83	10	22.00	1.00	1.9	1.3	0.33	......	10	10
5.0	2.0	0.7	0.83	10	22.00	1.00	1.9	1.3	0.33	......	10	10
5.0	2.0	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	......	25	10
5.0	2.1	0.8	0.83	10	22.00	1.00	1.9	1.3	0.33	......	10	10
5.0	2.5	0.8	1.11	10	26.00	1.00	2.2	1.4	0.33	......	..	10
5.0	2.2	0.6	0.83	10	18.00	1.00	1.9	1.2	0.33	......	25	10
5.0	3.5	1.0	0.83	10	35.00	1.00	3.5	2.3	0.33	......	..	10
5.0	3.2	1.0	1.11	10	28.00	1.00	2.5	1.6	0.33	......	..	10
5.0	3.0	0.9	1.39	10	32.00	1.00	3.1	2.0	0.33	......	..	10
5.0	2.4	0.6	0.83	10	28.00	1.00	2.5	1.6	0.33	......	..	10
5.0	2.2	1.0	0.83	10	19.00	1.00	2.0	1.4	0.33	......	25	10
5.0	2.1	0.5	0.83	10	17.00	1.00	1.7	1.1	0.33	......	25	10
5.0	6.0	1.0	1.67	10	40.00	1.00	4.3	2.8	0.33	......	..	10
5.0	3.0	1.0	1.67	10	26.00	1.00	2.2	1.4	0.33	......	..	10

†First 30 hours' use per kw. hr.

††Next 70 hours' use per kw. hr.

‡ 0.33 cents per kw-hr. for next 360 hours' use plus 0.133 cents per kw-hr. for all additional.

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1940, in Urban Municipalities

Municipality C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
	$ c.	cents		cents	cents	$ c.	%
Queenston	21.42	....	60	3.0	1.3	1.11	10
Richmond	41.38	....	35	5.0	1.5	1.67	10
Richmond Hill	28.38	33–66	60	2.0	0.8	0.83	10
Ridgetown T	30.55	....	60	2.3	0.8	0.83	10
Ripley	57.15	....	55	6.0	1.5	1.67	10
Riverside T	30.00	....	60	3.7	1.1	0.83	10
Rockwood	31.68	....	60	3.3	1.1	1.11	10
Rodney	38.37	....	60	2.6	0.8	0.83	10
Rosseau	77.19	‡33		6.0	2.0	‡2.22	10
Russell	45.91	....	55	4.8	1.2	1.39	10
St. Catharines C	20.50	....	45–60	2.3	0.9	0.83	10
St. Clair Beach	39.79	....	60	4.2	1.3	1.67	10
St. George	34.84	....	60	3.2	1.1	1.11	10
St. Jacobs	26.89	....	60	2.8	1.0	0.83	10
St. Marys T	29.34	....	60	3.1	1.0	0.83	10
St. Thomas C	24.12	....	60	2.4	0.8	0.83	10
Sarnia C	27.74	....	60	2.5	0.8	0.83	10
Scarboro Twp.	25.49	....	60	2.8	1.0	0.83	10
Seaforth T	28.74	....	60	2.9	1.1	0.83	10
Shelburne	41.04	....	50	3.8	1.0	1.11	10
Simcoe T	25.45	....	60	2.2	0.8	0.83	10
Smiths Falls T	24.46	....	55	3.0	1.0	0.83	10
Smithville	....	....	60	3.8	1.3	1.11	10
Southampton T	38.59	....	40	3.6	1.2	1.11	10
Springfield	37.76	....	60	3.6	1.1	1.11	10
Stamford Twp.	17.50	....	60	3.0	1.0	0.83	10
Stayner T	36.74	....	55	3.0	1.1	0.83	10
Stirling	26.41	....	60	2.5	1.0	0.83	10
Stouffville	33.50	....	60	2.8	1.0	0.83	10
Stratford C	25.15	....	60	2.8	0.9	0.83	10
Strathroy T	27.73	....	60	2.6	0.8	0.83	10
Streetsville	27.81	....	55	3.5	1.0	0.83	10
Sunderland	46.89	....	45	4.7	1.2	1.39	10
Sutton	37.53	....	50	4.0	1.3	1.11	10
Swansea	25.91	33–66	60	2.0	1.3	0.83	10
Tara	40.37	....	40	4.5	1.8	1.11	10
Tavistock	28.87	....	60	3.0	1.0	0.83	10
Tecumseh T	32.90	....	60	4.0	1.1	1.11	10
Teeswater	45.90	....	50	5.0	1.3	1.39	10
Thamesford	31.73	....	60	2.7	0.9	1.11	10
Thamesville	30.95	....	60	2.6	0.9	0.83	10
Thedford	46.10	....	55	5.0	1.2	1.11	10
Thorndale	38.30	....	60	4.2	1.2	1.11	10
Thornton	51.59	....	60	6.0	1.5	1.67	10
Thorold T	21.34	....	60	2.2	0.8	0.83	10

‡According to consumers' demand.

"E"—Continued
Domestic Service—Commercial Light Service—Power Service Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
5.0	2.8	1.0	1.11	10	25.00	1.00	2.0	1.3	0.33	......	..	10
5.0	5.0	1.0	1.67	10	45.00	1.00	4.9	3.3	0.33	......	..	10
5.0	2.0	0.5	0.83	10	22.00	1.00	1.9	1.3	0.33	......	10	10
5.0	1.8	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	......	25	10
5.0	5.0	1.0	1.67	10	50.00	1.00	5.7	3.8	0.33	......	..	10
5.0	2.6	0.7	0.83	10	25.00	1.00	2.0	1.3	0.33	......	..	10
5.0	2.5	0.7	1.11	10	32.00	1.00	3.1	2.0	0.33	......	..	10
5.0	2.3	0.5	0.83	10	25.00	1.00	2.0	1.3	0.33	......	..	10
5.0	6.0	2.0	‡2.22	10	50.00	1.00	5.7	3.8	0.33	......	..	10
5.0	4.5	1.0	1.39	10	50.00	1.00	5.7	3.8	0.33	......	..	10
†5.0	1.6	1.3	0.83	10	15.00	1.00	1.3	0.8	0.33	......	25	10
5.0	4.3	1.0	1.67	10	35.00	1.00	3.5	2.3	0.33	......	..	10
5.0	2.7	0.6	1.11	10	26.00	1.00	2.2	1.4	0.33	......	..	10
5.0	2.4	0.7	0.83	10	21.00	1.00	1.8	1.1	0.33	......	10	10
5.0	2.5	0.8	0.83	10	23.00	1.00	2.1	1.4	0.33	......	10	10
5.0	1.7	0.3	0.83	10	15.00	1.00	1.3	0.8	0.33	......	25	10
5.0	1.9	0.4	0.83	10	19.00	1.00	2.0	1.4	0.33	......	25	10
5.0	2.2	0.5	0.83	10	23.00	1.00	2.1	1.4	0.33	......	10	10
5.0	2.2	0.7	0.83	10	21.00	1.00	1.8	1.1	0.33	......	10	10
5.0	2.5	0.9	1.11	10	23.00	1.00	2.1	1.4	0.33	......	10	10
5.0	1.8	0.4	0.83	10	18.00	1.00	1.9	1.2	0.33	......	25	10
5.0	2.0	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	......	25	10
5.0	3.3	1.0	1.11	10	30.00	1.00	2.8	1.8	0.33	......	..	10
5.0	2.8	0.8	1.11	10	25.00	1.00	2.0	1.3	0.33	......	..	10
5.0	3.0	1.0	1.11	10	34.00	1.00	3.4	2.2	0.33	......	..	10
5.0	2.0	0.5	0.83	10	16.00	1.00	1.5	0.9	0.33	......	25	10
5.0	2.3	0.9	0.83	10	23.00	1.00	2.1	1.4	0.33	......	10	10
5.0	2.0	1.0	0.83	10	21.00	1.00	1.8	1.1	0.33	......	10	10
5.0	2.5	0.7	0.83	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	2.0	0.4	0.83	10	21.00	1.00	1.8	1.1	0.33	......	10	10
5.0	2.0	0.5	0.83	10	19.00	1.00	2.0	1.4	0.33	......	25	10
5.0	2.5	0.7	0.83	10	25.00	1.00	2.0	1.3	0.33	......	..	10
5.0	4.0	1.0	1.39	10	35.00	1.00	3.5	2.3	0.33	......	..	10
5.0	3.7	1.0	1.11	10	34.00	1.00	3.4	2.2	0.33	......	..	10
5.0	2.0	0.75	0.83	10	21.00	1.00	1.8	1.1	0.33	......	10	10
5.0	3.6	0.8	1.11	10	38.00	1.00	4.0	2.6	0.33	......	..	10
5.0	2.3	0.7	0.83	10	21.00	1.00	1.8	1.1	0.33	......	10	10
5.0	3.2	0.7	1.11	10	26.00	1.00	2.2	1.4	0.33	......	..	10
5.0	4.0	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	......	..	10
5.0	2.1	0.6	1.11	10	21.00	1.00	1.8	1.1	0.33	......	10	10
5.0	2.0	0.5	0.83	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	4.6	1.0	1.11	10	48.00	1.00	5.4	3.6	0.33	......	..	10
5.0	3.2	0.9	1.11	10	42.00	1.00	4.6	3.0	0.33	......	..	10
5.0	5.5	1.0	1.67	10	40.00	1.00	4.3	2.8	0.33	......	..	10
5.0	1.6	0.35	0.83	10	16.00	1.00	1.5	0.9	0.33	......	25	10

†Min. 500 watts.

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1940, in Urban Municipalities

Municipality C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
	$ c.	cents		cents	cents	$ c.	%
Tilbury............T	30.90	....	60	2.2	0.8	0.83	10
Tillsonburg..........T	26.40	....	60	2.3	0.8	0.83	10
Toronto............C	22.39	*a*3	..	*b*1.8	1.0	0.83	10
Toronto Twp.........	26.82	....	60	2.9	1.0	1.11	10
Tottenham...........	70.99	....	35	5.5	1.5	1.67	10
Trafalgar Twp. Area 1	26.94	....	60	3.1	1.7	*0.83 **2.22	10
Trafalgar Twp. Area 2	29.38	....	60	3.6	1.2	1.11	10
Trenton............T	23.96	....	50	3.0	1.0	0.83	10
Tweed...............	41.07	....	50	4.0	1.2	1.11	10
Uxbridge............T	43.29	....	50	3.6	1.2	1.11	10
Victoria Harbour.....	38.06	....	60	2.8	1.0	1.11	10
Walkerton..........T	32.94	....	50	3.6	1.1	1.11	10
Wallaceburg.........T	28.72	....	60	2.6	0.8	0.83	10
Wardsville...........	42.39	....	60	5.5	1.5	1.67	10
Warkworth...........	34.13	....	50	4.0	1.2	1.11	10
Waterdown..........	26.05	....	60	2.5	1.0	0.83	10
Waterford............	26.50	....	60	2.4	0.9	0.83	10
Waterloo...........T	23.79	....	60	2.3	0.9	0.83	10
Watford.............	35.25	....	60	3.3	1.0	1.11	10
Waubaushene........	36.08	....	55	3.0	1.0	1.11	10
Welland............C	18.88	....	60	2.8	0.9	0.83	10
Wellesley............	32.52	....	50	3.5	1.1	1.11	10
Wellington...........	34.93	33–66	50	2.5	1.25	0.83	10
West Lorne..........	34.44	....	60	2.8	0.8	0.83	10
Weston.............T	23.61	....	60	2.4	0.9	0.83	10
Westport............	50.53	....	45	5.0	1.5	1.94	10
Wheatley............	38.23	....	60	3.4	1.0	0.83	10
Whitby.............T	29.21	....	60	2.8	1.0	0.83	10
Wiarton............T	49.02	....	50	3.2	1.0	1.39	10
Williamsburg.........	29.58	....	60	2.0	0.8	0.83	10
Winchester...........	30.05	....	60	2.4	1.2	0.83	10
Windermere..........	47.11	†33	..	5.0	1.5	†2.22	10
Windsor............C	25.38	....	60	3.1	0.8	0.83	10
Wingham...........T	43.24	....	50	3.2	1.1	1.11	10
Woodbridge..........	27.16	....	60	3.0	1.1	0.83	10
Woodstock..........C	24.14	....	60	2.4	0.8	0.83	10
Woodville............	45.42	....	50	3.8	1.0	1.11	10
Wyoming............	42.93	....	60	3.3	0.9	1.11	10
York Twp............	....	33–66	60	2.0	1.3	0.83	10
Zurich...............	41.31	....	60	4.2	1.0	1.39	10

*a*Service Charge per 100 sq. ft. floor area.
*b*Per kw-hr. for first 3 kw-hrs. per 100 sq. ft.
*Under 10 kw. $0.83 min. bill.
**Over 10 kw. $2.22 min. bill.
†According to consumers' demand.

"E"—Concluded
Domestic Service—Commercial Light Service—Power Service Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	$ c.	%	$ c.	$ c.	cents	cents	cents	$ c.	%	%
5.0	1.7	0.4	0.83	10	17.00	1.00	1.7	1.1	0.33	......	25	10
5.0	1.8	0.4	0.83	10	19.00	1.00	2.0	1.4	0.33	......	25	10
..	*c*3 & 1	1/3	0.83	10	*d*	D.C.	3.0	1.2	0.6	......	..	10
						A.C.	2.0	1.0	*e* 1/3 1/6	......	..	10
5.0	2.2	0.6	1.11	10	22.00	1.00	1.9	1.3	0.33	......	10	10
10.0	5.0	1.0	1.67	10	35.00	1.00	3.5	2.3	0.33	......	..	10
5.0	2.8	0.7	0.83	10	28.00	1.00	2.5	1.6	0.33	......	..	10
5.0	2.8	0.7	1.11	10	28.00	1.00	2.5	1.6	0.33	......	..	10
5.0	2.6	0.8	0.83	10	19.00	1.00	2.0	1.4	0.33	......	25	10
5.0	3.5	1.0	1.11	10	30.00	1.00	2.8	1.8	0.33	......	..	10
5.0	3.0	0.9	1.11	10	28.00	1.00	2.5	1.6	0.33	......	..	10
5.0	2.2	0.8	1.11	10	30.00	1.00	2.8	1.8	0.33	......	..	10
5.0	2.4	0.9	1.11	10	28.00	1.00	2.5	1.6	0.33	......	..	10
5.0	2.0	0.5	0.83	10	19.00	1.00	2.0	1.4	0.33	......	25	10
5.0	5.0	1.0	1.67	10	42.00	1.00	4.6	3.0	0.33	......	..	10
5.0	3.0	1.0	1.11	10	32.00	1.00	3.1	2.0	0.33	......	..	10
5.0	2.0	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	......	25	10
5.0	1.9	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	......	25	10
5.0	1.9	0.4	0.83	10	18.00	1.00	1.9	1.2	0.33	......	25	10
5.0	2.9	0.9	1.11	10	30.00	1.00	2.8	1.8	0.33	......	..	10
5.0	2.2	1.0	1.11	10	33.00	1.00	3.2	2.1	0.33	......	..	10
5.0	2.0	0.5	0.83	10	17.00	1.00	1.7	1.1	0.33	......	25	10
5.0	3.5	1.0	1.11	10	26.00	1.00	2.2	1.4	0.33	......	..	10
5.0	2.5	1.0	0.83	10	34.00	1.00	3.4	2.2	0.33	......	..	10
5.0	2.3	0.5	0.83	10	25.00	1.00	2.0	1.3	0.33	......	..	10
5.0	1.6	0.4	0.83	10	17.00	1.00	1.7	1.1	0.33	......	25	10
5.0	5.0	1.0	1.94	10	45.00	1.00	4.9	3.3	0.33	......	..	10
5.0	3.0	0.9	0.83	10	30.00	1.00	2.8	1.8	0.33	......	..	10
5.0	2.3	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	3.3	0.8	1.39	10	35.00	1.00	3.5	2.3	0.33	......	..	10
5.0	2.0	0.8	0.83	10	32.00	1.00	3.1	2.0	0.33	......	..	10
5.0	2.0	0.8	0.83	10	24.00	1.00	2.3	1.5	0.33	......	10	10
5.0	5.0	1.5	†2.22	10	45.00	1.00	4.9	3.3	0.33	......	..	10
5.0	2.4	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	......	10	10
5.0	2.6	0.8	1.11	10	28.00	1.00	2.5	1.6	0.33	......	..	10
5.0	2.4	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	......	25	10
5.0	1.8	0.4	0.83	10	16.00	1.00	1.5	0.9	0.33	......	25	10
5.0	2.8	0.8	1.11	10	28.00	1.00	2.5	1.6	0.33	......	..	10
5.0	3.0	0.8	1.11	10	32.00	1.00	3.1	2.0	0.33	......	..	10
5.0	2.0	0.75	0.83	10	21.00	1.00	1.8	1.1	0.33	......	10	10
5.0	3.9	0.9	1.39	10	40.00	1.00	4.3	2.8	0.33	......	..	10

*c*First 90 hours' use 3 cents per kw-hr. Next 90 hours' use 1 cent per kw-hr.

*d*D.C. service charge $1.50 per kw. per month for first 7½ kw. plus $1.05 per kilowatt for all additional consumption.

A.C. service charge $1.10 per kw. per month for first 7½ kw. plus $0.90 per kilowatt for all additional consumption.

*e*1/3 cent per kw-hr. for next 300 hours' use. plus 1/6 cent per kw-hr. for all additional.

†According to consumers' demand.

INDEX

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PROVINCIAL AUDITOR'S REPORT

1939-40

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO
SESSIONAL PAPER No. 27

ONTARIO

TORONTO
Printed and Published by T. E. Bowman, Printer to the King's Most Excellent Majesty
1941

TO THE HONOURABLE ALBERT MATTHEWS,
Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

The undersigned has the honour to present to Your Honour the Report of the Provincial Auditor for the year ended March 31st, 1940.

Respectfully submitted,

M. F. HEPBURN,
Treasurer.

Treasury Department, Ontario.
January 6th, 1941.

PROVINCIAL AUDITOR'S OFFICE,
January 6th, 1941.

TO THE HONOURABLE M. F. HEPBURN,
Provincial Treasurer.

SIR: I have the honour to submit, for the information of the Legislative Assembly, my report for the year ended March 31st, 1940, in accordance with the requirements of The Audit Act.

Respectfully submitted,

H. A. COTNAM, C.A.,
Provincial Auditor.

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(A)

TREASURY BOARD MINUTES

(A)

TREASURY BOARD MINUTES

STATEMENT OF TREASURY BOARD MINUTES ISSUED FOR EXPENDITURES IN EXCESS OF APPROPRIATIONS DURING THE FISCAL YEAR ENDED MARCH 31st, 1940

Department of Agriculture

	Warrant	Expended
Main Office:		
Grants, Occasioned by Unassessable Crown Lands	$ 352 74	$ 352 74
Statistics and Publications Branch:		
Maintenance	225 00	192 21
Agricultural and Horticultural Societies Branch:		
Field Crop Competitions, Prizes and Expenses	4,400 00	4,016 96
Grants—Under Section 22, Subsection 1 (a) to (g) inclusive	60 00	47 98
To Encourage Local Plowing Matches	125 00	123 34
Milk Control Board:		
Salaries	1,025 00	1,025 00
Horticultural Experiment Station, Vineland:		
Salaries	370 15	370 15
Crops, Seeds and Weeds Branch:		
Subventions—Freight on Agricultural Lime	600 00	474 31
Co-operation and Markets Branch:		
Salaries	25 00	25 00
Maintenance	75 00	50 88
Loans in Accordance with the Co-operative Marketing Loan Act	2,500 00	2,500 00
Ontario Veterinary College, Guelph:		
Salaries	553 52	553 52
Western Ontario Experimental Farm, Ridgetown:		
Purchase of Stock and Equipment, etc.	620 00	402 95
Repairs and Alterations	214 23	214 23
Demonstration Farm, Hearst:		
Maintenance, Wages, Equipment and Miscellaneous Expenses	225 00	223 31
Ontario Agricultural College, Guelph:		
General Offices—Expenses	6,500 00	6,416 52

Department of Attorney-General

	Warrant	Expended
Main Office:		
Salaries	3,950 00	3,918 08
Maintenance	500 00	366 18
General Litigation and Legal Services	3,000 00	2,996 74
Commissions and Sundry Investigations	14,000 00	13,885 90
Shorthand Reporters:		
Services, Reporting and Travelling Expenses	1,000 00	440 35
Land Titles Office:		
Maintenance	160 00	148 37
Criminal Justice Accounts:		
Counties and Cities—Administration of Justice	165,000 00	161,329 81
Districts—General Administration of Justice	35,000 00	32,265 17
Fire Marshal's Office:		
Travelling Expenses	200 00	105 70
Inspector of Legal Offices:		
Inspector's Office—Salaries	100 00	58 21
Local Masters of Titles Office—Forms, Copying and Contingencies	500 00	270 35
Law Enforcement Branch:		
Salaries	523,000 00	510,830 87
Travelling Expenses	17,000 00	1,114 46
Maintenance	55,400 00	53,811 85
Ontario Securities Commission:		
Services, Expenses, Valuations, etc.	9,000 00	8,745 60
Travelling Expenses	200 00	48 31

Department of Education

	Warrant	Expended
Main Office:		
Proportion of Cost of Minister's Report	150 00	129 89

	WARRANT	EXPENDED
Public and Separate School Education:		
Public and Separate Schools—Grants, etc.	$ 65,000 00	$ 64,914 54
Assisted Public and Separate Schools—Grants, etc.	63,000 00	62,988 50
Consolidated Schools—Grants, etc.	2,000 00	1,769 99
Industrial Arts, Manual Training and Household Science—Grants, etc.	1,750 00	1,474 41
Continuation Schools—Grants, etc.	10,000 00	9,246 18
Courses in Music—Grants, etc.	7,500 00	7,364 82
Departmental Examinations Branch:		
Services and Travelling Expenses	6,000 00	5,973 86
Text-books Branch:		
Maintenance	3,000 00	2,321 57
Subventions to Publishers	5,000 00	4,451 68
Training Schools Branch:		
Grants to Teachers Engaged in Model School Training	5,000 00	4,342 00
Normal and Model Schools:		
Toronto—Maintenance	1,000 00	373 40
High Schools and Collegiate Institutes Branch:		
Salaries	500 00	137 54
Grants—High Schools and Collegiate Institutes, incl. Districts	35,000 00	31,322 27
Courses in Music	5,500 00	5,127 70
Vocational Education Branch:		
Home Economics and General Shop Work—Grants, etc.	146,000 00	145,218 65
Department of Health		
Main Office:		
Costs and Expenses of Investigations and Legal Actions, etc.	34,000 00	32,995 73
Cancer Control—Services, Expenses and Operation of Radium Emanation Plant	500 00	376 52
Maternal and Child Hygiene Branch:		
Travelling Expenses	500 00	74 49
Preventable Diseases Branch:		
Salaries	1,200 00	1,200 00
Maintenance, etc.	1,100 00	605 52
Venereal Diseases Branch:		
Travelling Expenses	500 00	130 57
Maintenance	20,000 00	19,890 63
Tuberculosis Prevention Branch:		
Belleville Unit—Salaries	200 00	145 00
Industrial Hygiene Branch:		
Salaries	500 00	13 12
Travelling Expenses	1,000 00	208 48
Maintenance	1,400 00	1,056 15
Laboratory Branch:		
Maintenance	15,800 00	14,011 64
Laboratory Divisions:		
Fort William—Maintenance	1,000 00	31 77
North Bay—Maintenance	1,500 00	731 92
Sault Ste. Marie—Travelling Expenses	50 00	2 80
Western University, London—Maintenance	300 00	63 96
Queen's University, Kingston—Maintenance	800 00	434 45
Hospitals Branch:		
General Office:		
Travelling Expenses	500 00	496 59
Grants, etc.—		
General Hospitals	359,000 00	329,052 86
Hospitals for Incurables	10,000 00	9,999 10
Maintenance of Patients in Sanatoria for Consumptives	121,309 96	121,211 96
Travelling and Incidental Expenses for Removal of Indigent Patients, etc.	2,500 00	1,875 24
General Expenses, Ontario Hospitals—		
Removal Expenses of Officials	1,500 00	1,185 98
Printing and Stationery	10,000 00	7,940 05
Ontario Hospitals:		
Brockville—Maintenance	6,000 00	3,987 02
Hamilton—Maintenance	9,000 00	5,912 95
Kingston—Maintenance	4,000 00	1,912 27
London—Maintenance	12,000 00	3,708 84
Orillia Hospital School—Maintenance	10,000 00	8,423 67
Toronto—Maintenance	13,000 00	12,926 42
Woodstock—Maintenance	17,000 00	13,986 01

Department of Labour

	Warrant	Expended
Boiler Inspection Branch:		
Salaries	$ 2,400 00	$ 2,367 42
Maintenance	1,000 00	728 76

Department of Lands and Forests

Main Office:		
Annuities and Bonuses to Indians under Treaty No. 9.	912 00	912 00
Rondeau Provincial Park—Operating Expenses	500 00	421 85
Forests Branch:		
Air Service—Operating Expenses	20,000 00	19,998 83

Department of Legislation

Office of the Speaker:		
Clerks of Committees, Sessional Writers, etc.	2,200 00	2,151 49
Indemnities—Members (including Mileage)	8,000 00	7,862 80
Stationery, Printing Paper, etc	6,000 00	5,550 73

Department of Mines

Main Office:		
Travelling Expenses	1,000 00	362 43
General—Expenses re Forfeiture of Mining Claims	1,000 00	820 79
Temiskaming Testing Laboratories:		
Maintenance and Operation of Plant	2,000 00	1,388 95

Department of Municipal Affairs

Main Office:		
Maintenance	5,000 00	4,477 47

Department of the Prime Minister

Travel and Publicity Bureau:		
Salaries	50 00	38 76
Printing and Distributing Booklets, etc	10,300 00	10,283 72
Office of King's Printer:		
Salaries	20 00	18 75

Department of Provincial Secretary

Registrar-General's Branch:		
Salaries	153 00	153 00
Reformatories and Prisons Branch:		
Main Office:		
Grants—Public Schools, Guelph Township	100 00	96 96
Industrial Schools	12,400 00	12,326 42
Board of Parole:		
Allowances and Expenses	125 00	124 00
Maintenance	200 00	99 45
Ontario Reformatories:		
Guelph—		
Maintenance	5,000 00	4,461 93
Repairs to Buildings, etc	3,000 00	2,184 59
Industries	170,000 00	163,107 67
Mimico—		
Salaries	2,000 00	1,738 40
Maintenance	10,000 00	4,421 60
Repairs to Buildings, etc	500 00	485 67
Industries	100 00	43 39
Mercer, Toronto—		
Industries	55,000 00	45,814 71
Industrial Farm, Burwash:		
Salaries	4,500 00	4,443 37
Maintenance	31,500 00	30,019 51
Repairs to Buildings, etc	9,500 00	8,349 50
Industries	17,000 00	16,919 06
Ontario Training School for Boys, Bowmanville:		
Maintenance	10,000 00	9,375 61
Ontario Training School for Girls, Galt:		
Salaries	3,000 00	2,467 94
Maintenance	10,000 00	9,348 91

Department of Provincial Treasurer	WARRANT	EXPENDED
Main Office:		
Travelling Expenses	$ 2,000 00	$ 369 85
Office of Budget Committee:		
Salaries	60 00	56 25
Maintenance	55 00	50 66
Motion Picture Censorship and Theatre Inspection:		
Maintenance	7,000 00	6,149 92
Controller of Revenue Branch:		
Income Tax, Collection Costs	2,000 00	2,000 00
Department of Public Welfare		
Children's Aid Branch:		
Services and Expenses re Children's Protection Act, etc.	6,500 00	5,700 47
Old Age Pensions Commission:		
Salaries	25,500 00	24,938 49
Travelling Expenses	12,000 00	9,595 16
Department of Public Works		
Public Buildings, Maintenance and Repairs:		
Legislative and Departmental Buildings:		
Administrative Services—		
Telephone Service	3,500 00	1,937 55
Maintenance Staff—		
Salaries	21,000 00	20,717 64
Maintenance	14,000 00	11,996 80
Agricultural Buildings:		
Repairs and Incidentals	7,000 00	145 04
Public Buildings, Construction:		
Agricultural Buildings:		
Horticultural Experiment Station, Vineland—		
Fencing Grounds	300 00	130 00
Kemptville—New Dairy School	6,000 00	5,545 72
Provincial Parks:		
Construction of Community Hall at Rondeau Park	4,000 00	2,435 35
Public Works:		
Maintenance of Locks, Dams, etc	2,500 00	2,037 32
Storage Dams	5,000 00	3,093 06
Miscellaneous:		
Expenses re Visit of Their Majesties	11,000 00	10,313 22
Total Treasury Board Minutes	$2,392,315 60	$2,229,652 70

(B)

SPECIAL WARRANTS

(B)

SPECIAL WARRANTS

STATEMENT OF SPECIAL WARRANTS ISSUED DURING THE FISCAL YEAR ENDED MARCH 31st, 1940

Date of Warrant	Service	Warrants	Expended 1939-40	Unexpended
		$ c.	$ c.	$ c.
	Department of Agriculture			
Aug. 18, 1939	Grant, Board of Education, Guelph, re pupils attending the Guelph Vocational School and Guelph Collegiate Institute, whose parents live on Ont. Agricultural College property	1,786 59	1,786 59	
	Department of Attorney-General			
Oct. 17, 1939	For the purchase of fencing materials and erection of same at plants of the Ontario Hydro-Electric Power Commission of Ontario, throughout the Province	25,000 00	10,857 96	14,142 04
Oct. 20, 1939 Oct. 20, 1939	Rewards in connection with forest fires in the Province of Ontario— Warrant $100 00 " 100 00	200 00	200 00	
	Department of Health			
May 30, 1939	Ontario Society for Crippled Children, to assist in the prevention of crippling following poliomyelitis	6,000 00	6,000 00	
June 27, 1939	Grant to the Health League of Canada, to assist in their work.	10,000 00	10,000 00	
Oct. 20, 1939 Dec. 28, 1939	Expenses in connection with the transfer of patients from the Ontario Hospital, St. Thomas— Warrant $10,000 00 " 3,000 00	13,000 00	12,775 12	224 88
Nov. 9, 1939	Brant Sanatorium, Brantford, to assist in financing additions to the Institution	20,000 00	20,000 00	
Dec. 28, 1939 Mar. 7, 1940	Hendry-Connell Research Foundation, Kingston, to assist in financing the work of the Foundation— Warrant $4,000 00 " 3,000 00	7,000 00	7,000 00	
Mar. 29, 1940	St. Paul's Hospital, Hearst, contribution toward providing an addition to the Institution	5,000 00	5,000 00	
	Department of Highways			
July 21, 1939	Township of Mersea, part cost of certain pavement laid on a road in or about the Village of Seacliffe, prior to the time when the said road became a King's Highway in 1931	4,257 75	4,257 75	

Date of Warrant	Service	Warrants	Expended 1939-40	Unexpended
		$ c.	$ c.	$ c.
	Department of Labour			
	Dominion-Provincial Youth Training Programme, services, grants and expenses— Balance unexpended, 1938-39 ...... $ 39,909 01			
Aug. 18, 1939	Warrant 100,000 00			
Dec. 28, 1939	" 100,000 00	239,909 01	176,448 11	63,460 90
	Department of Lands and Forests			
Oct. 20, 1939	Cost of preliminary work, research, preparation of documents and all other matters relative to the Select Committee of the Legislature re Administration of Lands and Forests Department	5,000 00	2,100 00	2,900 00
	Department of Provincial Secretary			
Aug. 18, 1939	Grant, Board of Education, Guelph, re pupils attending Guelph Collegiate Institute and Guelph Vocational School, whose parents reside on the property belonging to the Ontario Reformatory	294 56	294 56	....
	Department of Public Works			
	Maintenance, repairs and alterations on the old Dairy School, Kingston, for accommodation of Departments of Agriculture, Health, Highways and Provincial Police—			
May 30, 1939	Warrant $10,000 00			
Oct. 20, 1939	" 10,000 00			
Mar. 13, 1940	" 1,500 00	21,500 00	21,386 46	113 54
	Grant to Counties of Prescott and Russell for flood prevention on the Nation River— Balance unexpended, 1938-39....	91,022 12	41,829 52	49,192 60
Oct. 20, 1939	Costs and expenses re transfer of patients from the Ontario Hospital, St. Thomas	15,000 00	14,308 61	691 39
Jan. 5, 1940	Farm operating expenses for the Ontario Hospital, St. Thomas	15,000 00	9,898 89	5,101 11
Jan. 5, 1940	Cost of providing quarters for the staff and pupils of the Normal School, Ottawa, including rental and other expenses	15,000 00	14,230 29	769 71
	Miscellaneous			
Nov. 9, 1939	Funeral expenses of the late Margaret Hayworth	294 00	294 00	....
	Total Special Warrants	495,264 03	358,667 86	136,596 17

REPORT FOR 1940

OF

The Workmen's Compensation Board

ONTARIO

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO
SESSIONAL PAPER NO. 28, 1941

ONTARIO

TORONTO
Printed and Published by T. E. BOWMAN, Printer to the King's Most Excellent Majesty
1941

Hon. N. O. Hipel,
Minister of Labour,
Parliament Buildings,
Toronto, Ontario.

Dear Mr. Hipel,

I have the honour to submit herewith the Report of The Workmen's Compensation Board for the year 1940.

Yours very truly,

J. HAROLD,
Chairman

THE WORKMEN'S COMPENSATION BOARD

JOHN HAROLD,
Chairman

DR. D. J. GALBRAITH,
Vice-Chairman

DR. W. D. SMITH,
Commissioner

S. R. JOHNSTON,
Secretary

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REPORT FOR 1940

OF

The Workmen's Compensation Board

ONTARIO

Offices:
4th Floor, Canada Life Building,
330 University Ave., Toronto.

To His Honour the Lieutenant-Governor:

The Workmen's Compensation Board begs to submit its Report for the year 1940.

GENERAL REVIEW

During the year 1940 employment in industry under Schedule 1 of The Workmen's Compensation Act increased steadily and this increase has been reflected in both assessments received and in accidents reported. The provisional pay roll in Schedule 1 for 1940 was estimated at $628,161,000, at an average rate of $1.02 on every $100 of pay roll; for 1939 the provisional pay roll was estimated at $530,262,800, at an average rate of $1.06.

Accidents and Benefits

During 1940, there were reported to the Board 81,116 accidents, as compared with 60,520 in 1939, and 59,834 in 1938.

The total benefits awarded during the year amounted to $7,282,877.57, compared with $6,152,407.53 during 1939, and $6,464,261.19 during 1938.

Of the total benefits awarded during the year, $5,874,627.42 was for compensation, and $1,408,250.15 was for medical aid.

The total benefits awarded from the commencement of the Act (January 1, 1915) to January 1, 1941, amounted to $142,236,433.09, and the total accidents reported during the same period were 1,454,793.

Assessments

The provisional assessments for 1940, including estimated adjustments, amounted to $6,409,486.96, as compared with $5,637,916.40 provisionally estimated and $5,830,424.56 actually assessed for 1939. For 1940 the average rate was $1.02, as compared with $1.06 for 1939, and $1.31 for 1938. The provisional surplus to the credit of the classes at the end of 1940 was $2,013,381.13, as compared with $2,648,711.01 at the end of 1939.

Finances

After outstanding liabilities are properly valuated, there remains a provisional surplus of $2,013,381.13 standing at the credit of the classes comprising Schedule 1, in addition to a Disaster Reserve of $239,782.27, a Reserve for Depreciation of Securities of $897,708.95, an excess of $456,825.45 in the Silicosis Account of cash over liabilities for silicosis in the mining industry. This makes a total of $3,607,697.80, as compared with $4,251,721.90 at the end of 1939. These assets in excess of liabilities are in addition to accrued interest on investments.

This balance of $3,607,697.80 is the working capital of the Board after provision has been made for all outstanding liabilities. It has been collected from the employers largely by way of assessment, in addition to what has actually been required to meet the losses arising from accidents and the expense of administering the Act, and the cost of employers' safety associations.

In addition, there was at December 31, 1940, $26,187,374.37 in the Pension Fund, which is not a reserve but a fund to pay pensions to widows, children, and disabled workmen, which pensions run for life or lesser periods, and which were calculated on an actuarial basis, the liability being equal in amount to the fund. From time to time actuarial revaluations of the liabilities are made to ensure the proper amount being kept in the fund.

Investments

All the Board's funds, with the exception of cash necessary for current operations, are invested. In Schedule 1 these investments, calculated on amortized values, totalled $35,704,661.97. From investments a rate of 4.52 per cent. was received in 1940, as compared with 4.38 in 1939.

At the end of 1940 there was in default in Schedule 1 $115,251.28, consisting of $100,327.60 principal and $14,923.68 interest, as compared with a total of $334,362.17 at the end of 1939, and $358,395.17 at the end of 1938. During 1940 the accruing interest in default totalled $2,949.37, as compared with $48,534.09 during 1939, and $60,892.19 during 1938.

The Board's portfolio of investments shows 68 per cent. held in obligations of the Dominion and Ontario Governments, and 32 per cent. in municipal and county direct or guaranteed debentures.

Safety Associations

The Board has increased its aid to Safety Associations. During 1940, $241,760.00 was paid, as compared with $218,511.25 in 1939. The Board has appointed an Accident Prevention Officer as liaison with these Safety Associations and to assist them in securing data and material.

Rehabilitation

The work of rehabilitating injured workmen has been considerably "stepped up," one department of the Board working full time, the Physiotherapy and Occupational Therapy Clinics have been amalgamated, new premises leased, and the work intensified.

Public Relations

The Board has continued to assist groups of employers and workmen better to understand the workings of Workmen's Compensation, and has extended its scope. More and more groups are asking for this service.

Contents of the Report

The chapters following contain the particulars of the Board's operations during 1940, and the Appendix a resumé of operations since January 1, 1915.

Dated at Toronto this 27th day of March, 1941.

J. HAROLD, Chairman.
D. J. GALBRAITH, Vice-Chairman.
W. D. SMITH, Commissioner.

CHAPTER I

SCHEDULE 1 INDUSTRIES FOR 1940

As some of the industries covered by the Act are under the collective liability system (the employer not being individually liable for accidents to his workmen but being assessed to provide a general fund out of which accidents occurring in his class of industry throughout the Province are taken care of) and others are under the individual liability system (the employer being liable to pay for accidents happening to his own workmen), separate financial statements have to be made for each. The industries under the collective liability system are included in Schedule 1, and those under individual liability in Schedule 2, the former comprising much the greater number.

This chapter deals with Schedule 1 industries for 1940. Schedule 2 industries are dealt with in Chapter II, while Chapter III deals with the work handled in both schedules and the administration of the Act generally during the year, Chapter IV with the different funds in both schedules and their standing at the end of 1940, and Chapter V gives financial and statistical information for 1939 which was not available when the report for that year was made.

Provisional Financial Statement

The provisional financial statement for the industries in Schedule 1 for 1940 is contained in Table 1. To show the standing for the year, estimates have to be made of adjustments of assessments according to actual pay rolls and on the retroactive rates (the assessments for the year being first levied on an estimate of pay roll and at a provisional rate), and estimates also have to be made of compensation and medical aid still to be awarded for accidents happening during the year which have not yet been finally disposed of by reason of the injured workman being still under medical treatment or reports not being received. These estimates contain also all liabilities for claims of previous years yet outstanding and provision for claims of prior years which may subsequently be adjusted. Final figures for the year 1940 will be shown in the next subsequent report in the same manner as the final figures for 1939 are shown in Table 15 of this report.

The difference is to be noted between the amount of compensation and medical aid awarded for the year's accidents and the amount awarded during the year. The latter is partly for the prior year's accidents, while upon the other hand it does not cover all the liability for the current year's accidents. The more correct system of charging each year as far as possible with its own accidents, and for that purpose keeping the year's accounts open till the end of the subsequent year, has been adopted, rather than the looser method of taking the amount awarded during the year as the cost of the year's accidents and leaving always an outstanding liability unprovided for. For the purpose of information and comparison, however, the amounts awarded during the year are shown in Chapter III.

Accounts for Each Class

The industries in Schedule 1 are divided into classes, and as each class (subject to any transfer that may be made to it from the Disaster Reserve in any case of undue burden) bears its own accident cost— the employers in the class being in effect a mutual insurance association— separate accounts have to be kept for the different classes. Each class is credited with its own assessments, its share of interest and other income, and with any transfer made to it from

Disaster Reserve, or credit from any other source, and charged with the cost of its own accidents, its share of administration expenses, the cost of its safety association if it has one, and with its share of any amount set aside for Disaster Reserve.

The figures for each class, and the provisional surplus or deficit for the year, and the balance forward from prior years, and the provisional surplus or deficit for all years, are shown in Table 1. The final figures for each class and also the figures for the different groups within the classes (as in Table 15) will be shown in the next report. The assessments are fixed according to the accident cost and other expenses and charges in each class and group and having regard to the other income and credits.

The classes are numbered and the nature of the industries in each is shown at the bottom of Table 1 and full enumeration of the industries will be found in Schedule 1 of the Act and in the Board's rate book, the latter also showing the grouping within the class.

Assessments and Other Credits

The total assessments in all classes in Schedule 1 for the year 1940, including estimated adjustments, amounted to $6,409,486.96. In assessments are included collections for default in making returns or payments and interest for underestimate of pay roll. The other income and credits for the year consisted of interest on investments and funds not elsewhere credited; reimbursement for veteran cases received from the Department of Pensions and National Health; cost of accidents collected under Section 107 for failure to furnish pay roll prior to accident; recovery from third parties under Section 8; receipts by virtue of special orders under Section 90 (5); collections under Section 114 (3) from employers for failure to furnish particulars of accidents, refunds of accident cost and from the Province of Ontario for blind workmen. Other income and credits amounted to $236,788.90. The total income and credits for the year are, therefore, $6,646,275.86.

Compensation and Other Charges

The compensation and medical aid for Schedule 1 industries for the year, including estimate for what is still to be awarded for accidents happening during the year and for prior years' accidents, amounted to $6,202,407.44. There were other outlays amounting to $748,161.07, including administration expenses of $475,090.48; mine rescue work, $15,477.04; Section 8 disbursements, $2,688.91; safety associations, $241,760.00; and occupational therapy, $13,144.64. The total expenditures and charges for the year, including liability for pneumoconiosis outstanding of $1,420,064.29, and adjustments for prior years' accidents, were $8,370,632.80.

The provisional deficit for the year, including pneumoconiosis outstanding and the carry-over for prior years' claims, was $1,724,356.94, which, deducted from the surplus forward from prior years, of $3,737,738.07, makes a net provisional surplus of $2,013,381.13 at December 31, 1940.

Number of Employers

The total number of employers listed in Schedule 1 at the end of 1940 was 24,385, as compared with 24,973 at the end of 1939. The number in each class and group of industry is shown in Table 2.

Wage Expenditure

The estimated total wage expenditure in Schedule 1 industries for the year 1940, calculated on provisional figures, is $628,161,000, as compared with $530,262,800, in 1939. The amounts for the different classes of industry are shown in Table 3.

The Board has no similar data for Schedule 2 and Crown industries as in these the employers pay for accidents to their own workmen and are not required to make pay roll returns or pay assessments upon them as in Schedule 1. The pay roll would probably be about one-third that of Schedule 1.

Average Rates of Assessment

Assessments in Schedule 1 are in the form of a percentage of pay roll, and the average rate or percentage over all the classes actually paid by the employers can be ascertained by relating the total assessments to the total wage expenditure. This, on the provisional figures, gives an average rate of assessment for 1940 of $1.02 on every $100.00 of pay roll. The average rate for all years since the commencement of the Act was $1.18. The decline in the over-all rate was due in part to refund of differential rating plan penalties collected in 1937 and 1938 and later refunded.

TABLE 1

PROVISIONAL FINANCIAL STATEMENT FOR SCHEDULE 1, BY CLASSES, AS AT DECEMBER 31, 1940

Class	INCOME AND CREDITS (Actual and Estimated)				EXPENDITURE AND CHARGES (Actual and Estimated)						Balance Forward Prior Years	SURPLUS OR DEFICIT ALL YEARS (Provisional)	Class
	Collected on Provisional Assessments	Estimated Adjustments of Assessments	All Other Income	TOTAL	Compensation and Medical Aid			Pneumoconiosis Outstanding	All Other Outlays	TOTAL AS AT DEC. 31, 1940			
					Awarded	Estimated	Total						
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	
1	456,196.75	230,000.00	2,289.50	688,486.25	349,857.11	258,544.43	608,401.54	....	84,919.03	693,320.57	−88,759.63	−93,593.95	1
2	302,290.89	−4,200.00	7,623.41	305,714.30	167,525.49	146,813.01	314,338.50	....	35,826.59	350,165.09	131,944.67	87,493.88	2
3	69,397.90	10,000.00	1,110.41	80,508.31	28,530.73	14,317.74	42,848.47	....	7,474.14	50,322.61	13,808.98	43,994.68	3
4	155,220.29	31,400.00	1,405.19	188,025.48	81,056.00	70,834.53	151,890.53	10,995.48	22,376.40	185,262.41	−4,660.20	−1,897.13	4
5	1,243,878.29	−369,000.00	37,877.06	912,755.35	469,231.81	714,991.24	1,184,223.05	23,598.87	†121,196.66	1,329,018.58	748,542.99	332,279.76	5
6	120,286.34	20,350.00	4,031.32	144,667.66	54,975.81	51,605.69	106,581.50	211,126.71	17,774.84	335,483.05	78,395.78	−112,419.61	6
7	104,340.32	33,100.00	5,359.13	142,799.45	109,874.09	62,069.77	171,943.86	22,000.00	18,115.02	212,058.88	107,648.01	38,388.58	7
8	131,834.61	39,500.00	8,333.07	179,667.68	56,795.78	31,033.14	87,828.92	661,547.69	17,225.49	766,602.10	150,867.80	−436,066.62	8
9	196,522.94	59,500.00	11,718.64	267,741.58	149,861.88	96,955.08	246,816.96	60,835.59	29,604.54	337,257.09	214,974.10	145,458.59	9
10	367,388.11	62,000.00	12,939.86	442,327.97	256,688.67	142,508.90	399,197.57	153,383.49	51,203.99	603,785.05	245,265.95	83,808.87	10
11	299,637.49	21,000.00	20,555.96	341,193.45	164,168.99	97,521.65	261,690.64	156,588.59	35,549.43	453,828.66	281,052.95	168,417.74	11
12	161,691.20	−12,500.00	16,627.78	165,818.98	83,899.13	70,033.46	153,932.59	11,000.00	19,174.00	184,106.59	290,755.37	272,467.76	12
13	88,526.50	7,500.00	1,702.28	97,728.78	33,216.09	56,602.71	89,818.80	....	7,219.46	97,038.26	34,219.95	34,910.47	13
14	58,154.66	−3,500.00	2,290.53	56,945.19	36,248.20	15,311.64	51,559.84	....	7,825.29	59,385.13	43,012.85	40,572.91	14
15	341,113.24	18,000.00	12,571.15	371,684.39	137,999.21	152,917.54	290,916.75	....	42,221.18	333,137.93	105,954.45	144,500.91	15
16	92,826.92	9,650.00	3,590.40	106,067.32	59,352.81	78,673.15	138,025.96	21,467.00	14,850.51	174,343.47	70,425.87	2,149.72	16
17	125,198.64	24,000.00	1,503.79	150,702.43	84,020.09	40,250.10	124,270.19	....	17,845.34	142,115.53	29,124.55	37,711.45	17
18	61,597.15	6,800.00	3,202.30	71,599.45	37,316.99	33,916.52	71,233.51	....	7,800.95	79,034.46	61,309.84	53,874.83	18
19	90,985.14	4,700.00	143.66	95,828.80	44,314.11	56,301.68	100,615.79	10,038.58	12,488.79	123,143.16	49.57	−27,264.79	19
20	333,272.83	24,000.00	22,593.57	379,866.40	177,565.89	131,139.92	308,705.81	....	30,595.85	339,301.66	107,664.60	148,229.34	20
21	202,581.15	24,000.00	13,266.45	239,847.60	83,699.90	125,110.50	208,810.40	5,500.00	26,769.09	241,079.49	262,575.15	261,343.26	21
22	257,360.06	−14,000.00	11,172.45	254,532.51	124,516.66	84,609.68	209,126.34	....	22,947.20	232,073.54	203,693.79	226,152.76	22
23	85,902.92	14,000.00	13,177.94	113,080.86	62,629.84	102,742.07	165,371.91	....	13,417.94	178,789.85	257,666.45	191,957.46	23
24	768,982.62	58,000.00	21,703.05	848,685.67	324,457.15	389,800.86	714,258.01	71,982.29	83,739.34	869,979.64	392,204.23	370,910.26	24
ALL	6,115,186.96	**294,300.00	‡236,788.90	6,646,275.86	3,177,802.43	3,024,605.01	6,202,407.44	1,420,064.29	*†748,161.07	8,370,632.80	3,737,738.07	2,013,381.13	ALL

**Adjusted on actual pay rolls and retroactive rates.

‡Includes: Sec. 8, $24,507.71; Sec. 90 (5) $84.95; Sec. 107, $2,329.57; Sec. 114 (3), $640.65; Reimbursement from the D.P. & N.H., $16,529.27; from Accident Cost Refunds, $2,000.99; from the Province of Ontario for Blind Workmen, $323.67; Interest, $190,372.09.

*Includes: Disbursements under Sec. 8, $2,688.91; for Occupational Therapy, $13,144.64; for Safety Associations, $241,760.00; for Administrative Expense, $475,090.48; (being $474,535.78 for 1940; $554.70 adjustment of prior years).

†Includes Mine Rescue Work, $15,477.04.

Class Numbers of Industries

1. Lumbering.
2. Pulp and paper mills.
3. Furniture manufacturing, etc.
4. Planing mills, etc.
5. Mining and explosives.
6. Brick manufacturing, quarrying, and glass works.
7. Rolling mills, etc.
8. Foundries etc.
9. Fabrication structural steel, etc.
10. Metal articles, jewellery manufacturing, etc.
11. Agricultural implements, etc.
12. Gas, petroleum, paint, drugs, soap, etc.
13. Milling.
14. Abattoirs, etc.
15. Bakeries, canning, liquors, and tobacco.
16. Tanneries, leather and rubber goods.
17. Textiles.
18. Clothing, power laundries, etc.
19. Printing and stationery.
20. Teaming, cartage, coal and wood yards, etc.
21. Road construction, etc.
22. Electric power, etc.
23. Steel construction, railway and canal construction, dredging, fishing, etc.
24. Building.

TABLE 2

NUMBER OF FIRMS IN SCHEDULE 1, BY CLASSES AND GROUPS, DECEMBER 31, 1940

Class	Group 0	Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	Group 7	Group 8	Group 9	TOTALS
1	552	445	......	103	......	......	......	......	......	......	1,100
2	70	......	16	......	......	......	......	......	......	......	86
3	275	......	......	......	......	......	......	......	......	......	275
4	471	......	110	......	......	......	......	......	......	......	581
5	......	413	4	......	......	10	16	5	......	......	448
6	183	......	7	127	49	99	105	......	......	......	570
7	18	......	......	......	......	......	......	......	......	......	18
8	102	......	36	48	......	......	......	......	......	......	186
9	19	16	......	......	175	13	......	......	......	......	223
10	789	......	......	......	100	......	322	......	......	......	1,211
11	53	774	......	1	......	......	......	......	......	......	828
12	40	249	116	21	273	......	......	......	......	......	699
13	517	87	......	......	......	......	......	......	......	......	604
14	116	......	......	......	......	......	......	......	......	......	116
15	423	295	69	124	64	206	24	......	......	......	1,205
16	51	106	77	55	......	......	......	......	......	......	289
17	177	132	......	......	......	......	......	......	......	......	309
18	725	191	......	......	......	......	......	......	......	......	916
19	281	692	......	......	......	......	......	......	......	......	973
20	2,010	1,132	......	......	......	......	......	......	......	......	3,142
21	149	60	......	......	......	......	......	......	......	......	209
22	164	232	322	1,056	......	......	......	......	......	......	1,774
23	77	34	314	......	......	......	......	......	......	......	425
24	4,305	......	......	544	1,331	1,256	399	......	......	363	8,198
All											24,385

TABLE 3

ESTIMATE OF WAGE EXPENDITURE, SCHEDULE 1 BY CLASSES, FOR 1940

Class	Wage Expenditure
1	$ 13,770,000
2	20,536,000
3	9,172,000
4	10,345,000
5	64,249,000
6	9,029,000
7	21,554,000
8	12,697,000
9	23,218,500
10	77,497,000
11	63,520,000
12	37,076,000
13	6,450,000
14	9,024,000
15	46,812,500
16	25,070,000
17	31,336,000
18	27,950,000
19	28,600,000
20	16,100,000
21	5,065,000
22	35,400,000
23	4,990,000
24	28,700,000
TOTAL	$628,161,000

CHAPTER II

SCHEDULE 2 INDUSTRIES DURING 1940

Table 4 is a statement of the compensation awarded and the moneys handled during 1940 in Schedule 2 industries (in which the employer is individually liable for accidents to his workmen). Dominion Crown Cases under the Act by Dominion legislation and Provincial Crown Cases referred to the Board for adjustment are included.

The total amount of compensation awarded in Schedule 2 industries and Crown cases during 1940 was $1,022,157.92. Of this amount, $211,040.37 was for workmen of municipal corporations; $186,182.30 for steam railroads; $9,776.01 for electric railways; $86,782.06 for navigation companies; $1,951.10 for express and sleeping-car companies; $5,769.05 for telephone and telegraph companies; and $37.85 for all other industries in Schedule 2; $365,069.32 for Dominion Crown Cases and $155,549.86 for Provincial Crown Cases. Of the total amount awarded, $572,810.72 was for pensions in pension cases and $449,347.20 was for cases not pension cases and for compensation not pensions in pension cases.

In pension cases, except in the case of municipal or government bodies or departments thereof, not so desiring, deposits must be made by employers in Schedule 2 industries. Particulars of these are given under "Deposits under Section 28". Under "Claimants' Moneys" are included moneys held by the Board under awards in which in the interest of the claimant, or for some other reason, payment of the amounts held is deferred to a later date, as in the case of minors. "Deposits under Section 32" are amounts deposited with the Board to enable the Board to make prompt payments without waiting for receipt of cheque from employer.

Employers in Schedule 2 are assessed their share of the expense of administration as set out in Table 8. For 1940 that share amounted to $17,550.00 as compared with $16,944.00 in 1939, and $32,565.12 in 1938. Proportionate to the amount of compensation awarded, administration expenses in Schedule 2 and Crown Cases were 3.94 per cent. in 1940 as compared with 4.06 per cent. in 1939, and 6.71 per cent. in 1938.

Further information as to Schedule 2 funds and particulars of Schedule 2 investments are given in Chapter IV, and in Tables 9 and 14, and in the Appendix.

TABLE 4

STATEMENT FOR SCHEDULE 2 DURING 1940

SCHEDULE 2 AWARDS

	Awards Not Pensions	Pensions	TOTALS
Municipal Corporations, etc.	$ 80,927.69	$130,112.68	$ 211,040.37
Steam Railroads	75,476.67	110,705.63	186,182.30
Electric Railways	3,099.76	6,676.25	9,776.01
Navigation Companies	23,942.36	62,839.70	86,782.06
Express and Sleeping Car Companies	1,951.10	....	1,951.10
Telephone and Telegraph Companies	2,775.59	2,993.46	5,769.05
All Others	37.85	....	37.85
Dominion Crown Cases	191,402.32	173,667.00	365,069.32
Provincial Crown Cases	69,733.86	85,816.00	155,549.86
TOTALS	$449,347.20	$572,810.72	$1,022,157.92

SCHEDULE 2 FUNDS

Deposits Under Section 28

Cash in bank and invested, Jan. 1, 1940	$3,282,823.99	
Deposits received from employers	127,102.95	
Interest received	179,172.34	
Paid to pensioners		$ 334,374.10
Deposits returned to employers		18,043.72
Cash in bank and invested, Dec. 31, 1940		3,236,681.46
	$3,589,099.28	$3,589,099.28

Claimants' Moneys

Cash in bank and invested, Jan. 1, 1940	$ 13,804.43	
Deposits received from employers	2,295.15	
Interest received	668.88	
Paid to claimants		$ 4,160.50
Cash in bank and invested Dec. 31, 1940		12,607.96
	$ 16,768.46	$ 16,768.46

Deposits Under Section 32

Cash in bank, Jan. 1, 1940	$ 46,957.11	
Deposits received from employers	812,239.24	
Payments made—Compensation and Medical Aid		$ 812,782.12
Deposits returned to employers		6,326.40
Cash in bank, Dec. 31, 1940		40,087.83
	$ 859,196.35	$ 859,196.35

Reserve for Depreciation of Securities

Cash in bank and invested, Jan. 1, 1940	$ 206,877.40	
Cash in bank and invested, Dec. 31, 1940		$ 206,877.40
	$ 206,877.40	$ 206,877.40

TOTALS OF FUNDS

Cash in bank and invested, Jan. 1, 1940	$3,550,462.93	
Deposits received from employers	941,637.34	
Interest received	179,841.22	
Payments made		1,151,316.72
Deposits returned to employers		24,370.12
Cash in bank and invested Dec. 31, 1940		3,496,254.65
	$4,671,941.49	$4,671,941.49

CHAPTER III

WORK HANDLED DURING 1940

This chapter deals with the work handled during 1940, and with the administration of the Act generally during the year. Particulars are given in Tables 5 to 8.

The figures are for what has been dealt with during 1940 without regard to the year in which the accidents dealt with occurred, while, as explained in Chapter I, the figures in Chapter I and Chapter V are for the accidents happening during the year.

Benefits Awarded During the Year

The total amount of compensation awarded during 1940 was $5,874,627.42, of which $4,852,469.50 was in Schedule 1 industries, $501,538.74 in Schedule 2 industries, and $520,619.18 in Crown cases. There was also paid for medical aid in Schedule 1 industries during the year $1,408,250.15, making the total benefits awarded during the year $7,282,877.57. In Schedule 2 and Crown cases (for the most part) medical aid is provided directly by the employer and no figures are available.

The benefits awarded each year, and the total since the commencement of the Act, are as follows:

	Schedule 1			
Year	Compensation	Medical Aid	Schedule 2 and Crown Compensation	Total Benefits
1940	$4,852,469.50	$1,408,250.15	$1,022,157.92	$7,282,877.57
1939	4,174,407.96	1,094,693.30	883,306.27	6,152,407.53
1938	4,362,618.00	1,153,894.99	947,748.20	6,464,261.19
1937	3,837,588.62	1,251,848.47	1,040,523.46	6,129,960.55
1936	3,553,282.23	1,058,642.36	1,031,874.20	5,643,798.79
1935	3,225,898.54	1,037,682.86	1,050,531.47	5,314,112.87
1934	2,745,239.16	841,738.41	912,729.66	4,499,707.23
1933	2,298,787.97	667,581.69	732,699.29	3,699,068.95
1932	3,202,639.27	817,240.38	1,105,740.91	5,125,620.56
1931	3,917,045.43	1,060,763.01	1,043,583.66	6,021,392.10
1930	4,942,756.25	1,336,046.05	1,144,216.52	7,423,018.82
1929	5,346,621.19	1,385,524.62	1,280,011.97	8,012,157.78
1928	4,565,688.56	1,166,507.54	1,335,750.83	7,067,946.93
1927	3,930,417.59	1,062,859.64	1,091,377.64	6,084,654.87
1926	3,664,039.94	988,486.70	1,168,825.26	5,821,351.90
1925	3,635,530.27	875,836.01	1,054,077.11	5,565,443.39
1924	4,052,287.77	835,956.60	1,234,575.97	6,122,820.34
1923	4,036,170.26	788,905.90	1,348,785.58	6,173,861.74
1922	3,417,101.61	692,819.94	1,582,975.06	5,692,896.61
1921	3,858,017.50	662,793.89	1,668,452.10	6,189,263.49
1920	5,113,149.77	703,705.66	1,963,389.82	7,780,245.25
1919	2,808,638.65	386,298.51	997,922.77	4,192,859.93
1918	2,751,137.45	369,346.37	763,511.02	3,883,994.84
1917	2,286,954.99	*83,514.07	623,556.37	2,994,025.43
1916	1,553,653.38	†.........	451,709.93	2,005,363.31
1915	692,389.09	†.........	200,932.03	893,321.12
Totals	$92,824,530.95	$21,730,937.12	$27,680,965.02	$142,236,433.09

*Half year only. †No provision for medical aid.

The increase in benefits from the early years is largely by reason of increase in wages, compensation being for the most part a percentage of wages, and additional industries have been covered, and some material changes were made in compensation. The large total for 1920 is by reason of the retroactive increase in widows' and children's pensions, and the small amount awarded during

1915 is by reason of many 1915 accidents not being, nor capable of being, finally disposed of till the following year. The amount of benefits awarded for each year's accidents, as distinguished from the amount awarded during the year, is shown in Chapter V.

Accidents Reported During the Year

During 1940, 81,116 accidents were reported to the Board. These included some not serious enough to involve payment of either compensation or medical aid and for which no claim was made, and others for which claims were made but were not allowed by the Board.

At the close of the year there were 2,028 claims in assembly, as compared with 1,447 at the end of 1939, notice of the accident having been given but reports necessary to deal with the case not yet having been received.

The number of accidents reported each year, and the total number since the commencement of the Act, are as follows:

Year	Total
1940	81,116
1939	60,520
1938	59,834
1937	70,582
1936	61,382
1935	58,546
1934	54,730
1933	38,042
1932	41,470
1931	52,894
1930	69,267
1929	87,103
1928	79,398
1927	71,979
1926	65,916
1925	60,012
1924	58,675
1923	61,109
1922	50,411
1921	45,191
1920	54,851
1919	44,260
1918	47,848
1917	36,532
1916	26,092
1915	17,033
All Years	1,454,793

Accidents Paid For During the Year

Table 5 shows the number of accidents in which compensation or medical aid was paid during the year. The total number was 70,111, as compared with 54,405 during 1939. The 70,111 comprised 263 deaths, 1,114 permanent disability cases, 28,633 temporary disability cases, and 40,101 medical aid only cases. Except for Provincial Crown cases, Schedule 2 and Crown cases involving medical aid only, which are a large proportion of the accidents reported, are not included as accidents paid for, as the medical aid is furnished by the employer.

The number of accidents in which compensation or medical aid was awarded each year since the commencement of the Act is as follows:

Year	Schedule 1	Schedule 2	Crown	Totals
1940	66,607	1,785	1,719	70,111
1939	50,316	1,700	2,389	54,405
1938	47,816	1,874	2,235	51,925
1937	61,643	1,897	2,828	66,368
1936	51,620	1,828	2,741	56,189
1935	46,960	1,707	5,631	54,298
1934	41,244	1,800	6,258	49,302
1933	29,766	1,487	2,453	33,706
1932	38,469	1,914	3,521	43,904
1931	43,611	2,561	2,710	48,882
1930	56,715	2,723	2,357	61,795
1929	68,195	2,883	2,737	73,815
1928	61,384	2,723	2,425	66,532
1927	55,894	2,741	2,443	61,078
1926	52,199	2,489	2,182	56,870
1925	47,782	2,734	2,217	52,733
1924	46,616	2,820	2,475	51,911
1923	47,873	3,849	1,916	53,638
1922	37,172	4,572	765	42,509
1921	34,271	5,161	834	40,266
1920	42,693	4,444	714	47,851
1919	34,400	4,517	153	39,070
1918	36,565	4,335	30	40,930
*1917	25,277	3,406	19	28,702
*1916	15,370	2,825	3	18,208
*1915	8,328	1,494	7	9,829

*Cases involving medical aid only, not covered till July 1, 1917.

Awards Changed

In addition to claims compensated, as shown in Table 5, the Board in 1940 opened for further award 806 claims which had been settled previously.

Cheques, Assessments, Mail, and Callers

In all, 329,001 cheques were issued during 1940, an average of 1,112 daily, and there were 35,645 assessments made, including refunds. About 6,700 pieces of mail were handled daily, and the average number of office callers was 78 a day.

Receipts and Payments

The receipts and payments during the year are shown in Table 6, the statement for Schedule 2 including Crown cases. Explanation of the items and the funds referred to will be found in other parts of the report. A summary of receipts and payments since the commencement of the Act is given in the Appendix.

Payments to Safety Associations

The safety or accident prevention associations are organizations of employers established under the authority of the Act by the employers in 22 out of the 24 classes of industry. They are under the management of the employers but the expenses are paid by the Board out of the Accident Fund.

The total amounts so paid are set out in Table 7, which table also shows the amount paid out on account of mine rescue work in Class 5.

Administration Expenses

The administration expenses of the Board, analyzed under the different headings, are shown in Table 8. The gross administration expenses during 1940 were $545,746.72, which included special statistical services for which refunds have been received of $8,150.00, and accountable warrants of $3,785.00, and salary advances to members of the staff of $725.57, making the total administration expenses $533,086.15, as compared with $470,959.49 during 1939. The employers pay the whole expense of the administration of the Act. The amount is divided, according to the number of accidents handled, among Schedule 1 (Accident Fund, Silicosis, Mine Rescue and Rehabilitation Clinic Accounts), Schedule 2, and Dominion and Provincial Crown.

The amount charged to the Silicosis Account was $16,572.08; to the Rehabilitation Clinic, $1,000.00; to Mine Rescue Work, $751.29; to Schedule 1 employers, $474,535.78; to Schedule 2, $17,550.00; to Dominion Crown, $17,732.00; and to Provincial Crown, $4,945.00.

The cost of office furniture, fixtures, and equipment, including permanent equipment, has always been charged to administration expenses in the year in which payment therefor was made, and no entry for which has ever been made in the standing of the funds. The value of this furniture and equipment at the present time is estimated at about $36,000.

The total administration expenses for 1940 less expenses of supervising work in connection with Silicosis, Rehabilitation, Clinic, and Mine Rescue Stations (not properly administrative work) and handling claims for silicosis, were 7.07 per cent. of benefits awarded, being 7.58 per cent. of benefits awarded in Schedule 1, and 3.94 per cent. in Schedule 2 and Crown cases.

A charge of $13,144.64 was made for occupational therapy, there being $21,593.43 less $30.00 accountable warrants to members of staff, and $8,418.79 credit balance from physiotheraphy clinic, the two clinics being amalgamated from October 1, 1940. This amount of $13,144.64 was pro rated among the classes in Schedule 1.

TABLE 5

COMPENSATION, MEDICAL AID, AND ACCIDENTS PAID FOR, DURING 1940

Compensation Awarded during 1940

Schedule 1	$4,852,469.50
Schedule 2	501,538.74
Crown Cases	520,619.18
Total	$5,874,627.42

Medical Aid Paid during 1940

Schedule 1	$1,408,250.15
Schedule 2	furnished by employer
Crown Cases	furnished by employer

Accidents Paid For during 1940

	Medical Aid Only	Temporary Disability	Permanent Disability	Death	TOTALS
SCHEDULE 1—					
Full Compensation	.....	22,269	1,055	164	23,488
Part Compensation	.....	3,367	...	32	3,399
Medical Aid Only	39,720	.....	...	...	39,720
Totals	39,720	25,636	1,055	196	66,607
SCHEDULE 2—					
Full Compensation	.....	1,467	33	44	1,544
Part Compensation	.....	231	...	9	240
Medical Aid Only	1	.....	...	...	1
Totals	1	1,698	33	53	1,785
CROWN CASES—					
Full Compensation	.....	1,009	26	11	1,046
Part Compensation	.....	290	...	3	293
Medical Aid Only	380	.....	...	...	380
Totals	380	1,299	26	14	1,719
GRAND TOTALS	40,101	28,633	1,114	263	70,111

TABLE 6

STATEMENT OF RECEIPTS AND PAYMENTS DURING 1940

Schedule 1

RECEIPTS

Cash in Banks, January 1, 1940:		
Canadian Bank of Commerce	$ 747.80	
Royal Bank of Canada	23,595.37	
Dominion Bank	488,189.50	$ 512,532.67
Net Assessments, Penalties, etc.:		
Gross Assessments	6,325,889.86	
Under Section 8	24,507.71	
Under Section 107	2,329.57	
Under Section 114	640.65	
From D.P. & N.H.	16,529.27	
From Province of Ontario for Blind Workmen	323.67	
From Accident Cost Refunds	2,000.99	
	6,372,221.72	
LESS:		
Assessments and Penalties Refunded	139,579.79	6,232,641.93
Silicosis Assessments		555,548.76
Interest:		
From Investments	1,535,744.72	
Exchange Premium	39,799.90	
From Bank and Short Date Deposits	3,385.74	1,578,930.36
Investments:		
Principal returned	560,425.98	
Profit on Sale of Investments	11,872.38	572,298.36
From Schedule 2 and Crown Employers for Administrative Expense, account of prior years, paid out of Schedule 1 in 1939		35,328.87
Special Statistical and Other Services		8,150.00
Rehabilitation Clinic:		
Refunds from Medical Aid	15,567.48	
Refunds from Schedule 2 Employers	141.00	15,708.48
		$9,511,139.43

PAYMENTS

Compensation paid, other than Pensions and Compensation Deferred		$2,185,412.82
Pensions		2,373,523.36
Deferred Compensation		56,644.23
Rehabilitation		12,426.02
Medical Aid		1,388,525.31
Silicosis		221,616.40
Under Section 8		2,688.91
Mine Rescue Work		15,025.75
Administration Expenses		545,746.72
Safety Associations		241,760.00
Rehabilitation Clinic Expenses		22,306.46
Occupational Therapy		9,619.96
Investments		1,966,515.67
Cash in Banks, December 31, 1940:		
Canadian Bank of Commerce	$ 23,132.41	
Royal Bank of Canada	50,072.01	
Dominion Bank	396,123.40	469,327.82
		$9,511,139.43

Table 6—Continued

Schedule 2

RECEIPTS		
Cash in Imperial Bank of Canada, January 1, 1940		$ 76,266.73
Employers' Deposits:		
Under Section 28	$127,102.95	
Under Section 32	812,239.24	
For Claimants' Moneys	2,295.15	
		941,637.34
Interest:		
From Investments	177,633.00	
Exchange Premium	2,009.42	
From Bank Deposits	198.80	
		179,841.22
Investments:		
Principal returned		25,876.35
		$1,223,621.64

PAYMENTS		
To Claimants out of Deposits under Section 28		$ 334,374.10
Deposits returned to Employers under Section 28		18,043.72
To Claimants out of Claimants' Moneys		4,160.50
Paid out of Deposits under Section 32:		
Compensation	$ 765,909.85	
Rehabilitation	193.95	
Medical Aid	46,678.32	
		812,782.12
Deposits returned to Employers under Section 32		6,326.40
Investments		32,007.86
Cash in Imperial Bank of Canada, December 31, 1940		15,926.94
		$1,223,621.64

TABLE 7

PAYMENTS TO SAFETY OR ACCIDENT PREVENTION ASSOCIATIONS, 1940

Association	Class	Total Payments	
Lumbermen's Safety Association	1	$36,797.00	
Ontario Pulp and Paper Makers' Safety Association	2	14,663.00	
Class 5 Accident Prevention Association	5	11,500.00	
Industrial Accident Prevention Associations	3, 4, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16, 17, 18, 19, 230	143,800.00	
Ontario Highway Construction Safety Association	21	7,000.00	
Electrical Employers' Association of Ontario	22	5,500.00	
Construction Safety Association of Ontario	24	22,500.00	
Charged to Schedule 1 (Table 1)			$241,760.00
		$241,760.00	$241,760.00

MINE RESCUE WORK ACCOUNT, 1940

Maintenance of Stations, Salaries and Supplies	$14,725.75	
Accountable Warrants to Members of Staff	300.00	
Administrative Supervision	751.29	
Accountable Warrants to Members of Staff		$ 300.00
Charged to Class 5 (Table 1)		15,477.04
	$ 15,777.04	$ 15,777.04

REHABILITATION CLINIC ACCOUNT, 1940

Credit from 1939	$ 4,043.30	
Receipts during the year	15,708.48	
Maintenance, Salaries and Supplies		$ 10,332.99
Administrative Supervision		1,000.00
Transferred to Occupational Therapy Account		8,418.79
	$ 19,751.78	$ 19,751.78

OCCUPATIONAL THERAPY CLINIC ACCOUNT, 1940

Maintenance, Salaries and Supplies	$ 21,563.43	
Accountable Warrants to Members of Staff	30.00	
Transferred from Rehabilitation Clinic Account		$ 8,418.79
Accountable Warrants to Members of Staff		30.00
Charged to Schedule 1 (Table 1)		13,144.64
	$ 21,593.43	$ 21,593.43

TABLE 8

ANALYSIS OF ADMINISTRATION EXPENSES DURING 1940

Salaries of Board and Staff		$372,530.55	
Travelling Expenses of Board and Staff		33,287.67	
Printing, Stationery and Office Supplies		24,084.28	
Postage		30,943.73	
Telephone, Telegraph and Express		2,476.83	
Legal Expenses, Witness Fees, etc.		1,937.67	
Claimants' Travelling Expenses and Medical Examinations		1,308.97	
Insurance and Security Service		4,191.97	
Auditor's Services, under instructions of Attorney-General		2,500.00	
Office Rent		21,793.96	
Permanent Equipment		12,709.55	
Miscellaneous Services, Equipment Rental and Repairs		7,796.36	
Meals for Staff when working overtime (nights, Saturday afternoons, etc.)		3,081.00	
Contributions to Staff Pension Fund		22,593.61	
Accountable Warrants to Members of Staff		3,785.00	
Salary Advances to Members of Staff		725.57	
Gross Administration Expenses, 1940		$545,746.72	
Received for Special Statistical Services	$8,150.00		
Accountable Warrants	3,785.00		
Salary Advances to be repaid	725.57		
		12,660.57	
TOTAL ADMINISTRATION EXPENSES			$533,086.15
Charged to Rehabilitation Clinic		$ 1,000.00	
Charged to Silicosis Account		16,572.08	
Charged to Mine Rescue Work		751.29	
Charged to Dominion of Canada		17,732.00	
Charged to Province of Ontario		4,945.00	
Charged to Schedule 2 Employers		17,550.00	
Charged to Schedule 1 Employers		474,535.78	
			$533,086.15

OCCUPATIONAL THERAPY

*Rent	$ 7,495.68	
Salaries	7,500.00	
Fixtures, Equipment, etc.	888.63	
General Expenses (Meals and Car Fare of Patients, Supplies)	5,679.12	
Accountable Warrants to Members of Staff	30.00	
GROSS EXPENSES, 1940		$ 21,593.43
Credit from Rehabilitation Clinic Account	$ 8,418.79	
Accountable Warrants to Members of Staff	30.00	
Charged to Schedule 1	13,144.64	
		$ 21,593.43

*Prepayment of rent for 1941 (to Nov. 1) included.

CHAPTER IV

CONDITION OF FUNDS

A general statement of the condition of the funds in Schedule 1 and in Schedule 2 is contained in Table 9, and particulars of the various funds and of the Board's investments are given in Tables 10 to 14. A summary since the commencement of the Act will be found in the Appendix.

Schedule 1 Funds

The Schedule 1 funds are known and referred to as the "Accident Fund". They comprise, in addition to current funds out of which temporary payments of compensation, medical aid and administration expenses are paid, the Pension Fund, Disaster Reserve, and Compensation Deferred. The standing of the Accident Fund, showing assets and liabilities, at December 31, 1940, is shown in Table 9. The balance of assets in excess of liabilities at that date was $3,150,872.35, being $239,782.27 Disaster Reserve, $2,013,381.13 standing at the credit of the Classes December 31, 1940, and $897,708.95 reserve for depreciation of securities. This is exclusive of office equipment and furniture mentioned in Chapter III.

Pension Fund

The Pension Fund, representing the outstanding pension liability, comprises the largest part of the funds standing to the credit of Schedule 1. The purpose of the Pension Fund is to take care of future payments of pensions which have already been awarded. Actuarial tables, embodying the contingencies of death and remarriage, have been compiled to show for each age and kind of pension the average amount (sometimes referred to as capitalized value) necessary to complete pension payments. When a pension is awarded this average amount is transferred from current funds to the Pension Fund. All payments of pensions are made from the Pension Fund. Since the amount transferred in any one instance is the average amount required, no re-transfer is made should a residue be left at the expiry of the pension, nor is any additional transfer made should the amount be exhausted before expiry of the pension.

Particulars of Pension Fund

Table 10 gives particulars of the Pension Fund for each class. The balance in the fund at the commencement of 1940 was $24,838,874.49; $2,461,542.51 was transferred during the year for pension awards; $1,260,480.73 interest was added and $2,373,523.36 was paid for pensions. The balance in the fund at the end of the year was $26,187,374.37.

The transfers for pension awards during the year included $108,541.58 from Silicosis Account to provide for pensions in cases of Silicosis in Class 5.

Disaster Reserve

The Disaster Reserve is a fund set aside under the provisions of Section 101 (2) of the Act to meet any unforeseen disaster or other circumstance which might unduly burden the employers in any class of industry. The fund has been accumulated by a transfer of one per cent. of the gross assessments up to the end of 1922, and for the year 1928. These are the only moneys set aside or held by the Board which do not directly cover liabilities actually incurred by reason of accidents which have already happened.

The standing of the Disaster Reserve is shown in Table 11. The balance at the end of 1940 was $239,782.27; $11,431.18 interest being added to the $228,782.11 in the fund at the beginning of the year, and $1,363.25 being withdrawn.

Reserve for Depreciation of Securities

During 1936 a reserve for depreciation of securities was established. This reserve is made up of excess over book values when investments are sold, and up to 1939 of excess interest not allocated to the Pension Fund, Disaster Reserve, and Compensation Deferred. Withdrawals are made on refunding debentures to "write up" values to market conditions. During the year was added $11,872.38 excess over book values of sold investments, and $77,631.99 was transferred to Investment Account. The Reserve at the beginning of 1940 was $963,468.56, and the balance in the Reserve at December 31, 1940, was $897,708.95.

Compensation Deferred

The funds included under "Compensation Deferred" comprise compensation moneys held at interest for claimants in Schedule 1, payment being deferred to a future time by reason of the claimant being a minor or for other reasons. The condition of the fund is shown in Table 12.

At the beginning of the year the amount on hand was $60,950.02: deferred awards during the year amounted to $75,156.78, and $950.67 interest was added during the year: the payments during the year amounted to $57,084.23, of which $56,561.60 was for principal and $522.63 for interest, leaving a balance of $79,973.24.

A considerable portion of the funds included under "Compensation Deferred" do not bear interest, payment of principal being deferred to the future.

Silicosis Account

Table 13 gives particulars of the Silicosis Account which was established to take care of special assessments and payments in Class 5 necessitated by the addition of "Silicosis" contracted in mining operations to the list of industrial diseases under the Act, by amendment effective April, 8, 1926.

The balance in the account at the beginning of 1940 was $2,328,316.32; $555,548.76 was collected by assessment; $228,196.65 was paid out (or transferred to Pension Fund) for compensation; $19,724.84 for medical aid; $77,868.66 for salaries and expenses in connection with examinations of underground mine-workers; $16,572.08 was transferred to the Accident Fund for the expenses of supervision and handling claims; $5,051.53 was paid for salaries and expenses of the Referee Board and $600.00 was outstanding as accountable warrants to members of the staff. The surplus in the account December 31, 1940, was $2,652,147.01, against which there were liabilities as follows:

Held to meet incurred losses	$2,195,321.56
Held to meet losses and expenses in 1941	879,141.02
Total	$3,074,462.58

leaving a deficit in the account of $422,315.57, which will be covered by assessment and interest credits during 1941.

Investments

Particulars of the Board's investments are given in Table 14.

The total invested at the end of the year in Schedule 1 was $35,704,661.97, consisting of $34,376,204.27, value of investments at the beginning of the year, $1,966,515.67, invested during the year, less $560,425.98 principal returned, and $77,631.99 written off for depreciation.

Particulars of each investment are shown in the list, including kind of investment, particular security, face rate of interest, term, par value, and book value.

With the exception of short-date deposits of current funds intended for use before the current year's assessments are received, all investments consist of Province of Ontario debentures, municipal or municipally-guaranteed debentures, and Dominion of Canada guaranteed bonds.

The average rate of interest received on permanent investments in Schedule 1 during 1940 was approximately 4.52 per cent., as compared with 4.38 per cent. in 1939, and 4.41 per cent. in 1938. A nominal half of one per cent. is received on current bank balances.

Schedule 2 Funds

The funds handled by the Board in respect of Schedule 2 industries include employers' deposits for pensions required to be made with the Board under the provisions of Section 28 of the Act, temporary deposits or advances of money made by employers under Section 32 to facilitate prompt payment of claims, and claimants' moneys held by the Board in cases of awards, payment of which by reason of the claimant being a minor, or for other reason, is deferred to a future time.

The standing of Schedule 2 funds at December 31, 1940, is shown in the latter part of Table 9, and the particulars and a list of Schedule 2 investments are given in Table 14.

At the end of 1940 the deposits held under Section 28 amounted to $3,236,681.46; deposits under Section 32 to $40,087.83; the amount of claimants' moneys held by the Board was $12,607.96; and $206,877.40 reserve for depreciation of securities, making a total of $3,496,254.65, of which $3,480,327.71 was held in permanent investments, and $15,926.94 cash in bank.

The rate of interest distributed to Schedule 2 Funds, not including reserve for depreciation of securities, during 1940 was 5.655 per cent., as compared with 4.92 per cent. distributed during 1939 and 1938.

Table 9

STANDING SCHEDULE 1 ACCIDENT FUND AS AT DECEMBER 31, 1940

ASSETS		
Cash in Banks:		
Canadian Bank of Commerce	$23,132.41	
Royal Bank of Canada	50,072.01	
Dominion Bank	396,123.40	$ 469,327.82
Short Date Deposit		50,000.00
Investments		35,654,661.97
Due for Administrative Expense:		
From Schedule 2 Employers	$17,628.91	
From Dominion of Canada	17,732.00	
From Province of Ontario	4,945.00	
From Rehabilitation Clinic	1,000.00	41,305.91
Assessments estimated to be due on adjustment of 1940 Pay Rolls (see Table 1)		294,300.00
Accountable Warrants to Members of Staff		4,715.00
Salary Advances to Members of Staff		725.57
		$36,515,036.27

LIABILITIES		
Compensation Deferred, other than Pensions		$ 79,973.24
Pension Liability		26,187,374.37
Silicosis Account:		
For Incurred Losses	$2,195,321.56	
For 1941 Losses and Expenses	879,141.02	
Deficit Dec. 31, 1940	—422,315.57	2,652,147.01
Compensation and Medical Aid Estimated Outstanding		3,024,605.01
Estimated for Pneumoconiosis:		
Definite	1,136,308.88	
Contingent	283,755.41	1,420,064.29
Assets in Excess of Liabilities:		
Disaster Reserve	239,782.27	
Reserve for Depreciation of Securities	897,708.95	
Balance at Credit of Classes (see Table 1)	2,013,381.13	3,150,872.35
		$36,515,036.27

STANDING SCHEDULE 2 FUNDS AS AT DECEMBER 31, 1940

ASSETS	
Cash in Imperial Bank of Canada	$ 15,926.94
Investments	3,480,327.71
	$3,496,254.65

LIABILITIES		
Balance Employers' Deposits:		
Under Section 28	$3,236,681.46	
Under Section 32	40,087.83	$3,276,769.29
Claimants' Moneys held by the Board		12,607.96
Reserve for Depreciation of Securities		206,877.40
		$3,496,254.65

TABLE 10

PENSION FUND, SCHEDULE 1 BY CLASSES, DECEMBER 31, 1940

Class	Balance Forward from 1939	Pension Awards during 1940	Interest Received	Pension Payments	Balance as at Dec. 31, 1940	Class
	$ c.	$ c.	$ c.	$ c.	$ c.	
1	2,249,113.25	209,233.39	114,072.53	202,414.14	2,370,005.03	1
2	1,170,825.54	96,606.67	59,348.00	98,206.67	1,228,573.54	2
3	291,909.64	2,930.00	14,183.46	25,995.57	283,027.53	3
4	693,219.79	52,949.50	34,612.71	73,802.22	706,979.78	4
5	4,617,709.73	*617,247.79	238,182.92	444,111.91	5,029,028.53	5
6	956,852.32	72,504.21	47,806.50	99,345.14	977,817.89	6
7	583,160.08	77,159.25	29,909.77	63,739.59	626,489.51	7
8	481,862.91	60,726.25	24,866.03	42,983.64	524,471.55	8
9	940,698.23	80,673.12	47,290.25	92,829.23	975,832.37	9
10	1,245,229.07	136,811.81	63,767.77	110,365.46	1,335,443.19	10
11	979,851.59	69,067.69	49,082.82	90,889.13	1,007,112.97	11
12	707,581.56	47,792.67	35,151.40	74,132.51	716,393.12	12
13	526,654.60	36,956.85	26,510.32	44,173.48	545,948.29	13
14	243,236.06	15,816.40	12,084.91	25,952.28	245,185.09	14
15	1,028,244.99	54,975.72	50,994.90	97,653.90	1,036,561.71	15
16	574,608.47	57,253.75	29,264.68	50,214.82	610,912.08	16
17	487,321.54	52,510.00	24,937.74	44,309.20	520,460.08	17
18	218,023.49	7,400.84	10,725.70	19,844.58	216,305.45	18
19	340,109.43	29,003.50	17,228.90	29,082.83	357,259.00	19
20	992,713.43	154,538.26	52,036.32	89,870.95	1,109,417.06	20
21	1,213,450.10	76,143.49	60,430.68	114,603.14	1,235,421.13	21
22	506,408.40	80,592.01	26,154.36	59,300.33	553,854.44	22
23	1,227,037.42	102,203.34	61,895.14	110,565.53	1,280,570.37	23
24	2,563,052.85	270,446.00	129,942.92	269,137.11	2,694,304.66	24
	24,838,874.49	2,461,542.51	1,260,480.73	2,373,523.36	26,187,374.37	

TRANSFERRED WITHIN THE FUND:

Class 9 to 10	$ 155.00
Class 24 to 23	1,849.26

*Transferred from Silicosis Account, Class 5—$108,541.58

TABLE 11

DISASTER RESERVE, DECEMBER 31, 1940

Balance in Fund as at December 31, 1939		$228,782.11
Returned to Fund from Class 21	$ 932.23	
Interest credited in 1940	11,431.18	
		12,363.41
		$241,145.52
Withdrawn account Class 1	$ 415.50	
Withdrawn account Class 13	947.75	
		1,363.25
Balance as at December 31, 1940		$239,782.27

RESERVE FOR DEPRECIATION OF SECURITIES

Balance in Fund as at December 31, 1939	$963,468.56
Profit on Sale of Investments during 1940	11,872.38
	$975,340.94
Transferred to Investment Account	77,631.99
	$897,708.95

TABLE 12

COMPENSATION DEFERRED, DECEMBER 31, 1940

Balance in Fund, December 31, 1939		$ 60,950.02
Compensation awarded, payment deferred, during 1940		75,156.78
Interest credited in 1940		950.67
		$137,057.47
Paid claimants during 1940:		
Principal	$ 56,561.60	
Interest	522.63	
		57,084.23
Balance as at December 31, 1940		$ 79,973.24

TABLE 13

SILICOSIS ACCOUNT, DECEMBER 31, 1940

Balance in Fund, January 1, 1940	$2,328,316.32	
Assessments collected	555,548.76	
Interest credited during 1940	115,695.69	
Accountable Warrants to Members of Staff	600.00	
Payments made during 1940:		
Compensation		$ 228,196.65
Medical Aid		19,724.84
Salaries and Expenses		77,868.66
Administrative Supervision and for Handling Claims		16,572.08
Salaries and Expenses of Referee Board		5,051.53
Accountable Warrants to Members of Staff		600.00
Balance in Account December 31, 1940		2,652,147.01
	$3,000,160.77	$3,000,160.77

TABLE 14

INVESTMENTS, DECEMBER 31, 1940

Schedule 1

Book Value of Investments, January 1, 1940		$34,376,204.27
Invested during the year		1,966,515.67
		$36,342,719.94
Less Principal returned	$560,425.98	
Less Amount Written Off for Depreciation	77,631.99	
		638,057.97
BOOK VALUE OF INVESTMENTS, DECEMBER 31, 1940		$35,704,661.97

Schedule 2

Book Value of Investments, January 1, 1940	$ 3,474,196.20
Invested during the year	32,007.86
	$ 3,506,204.06
Less Principal returned	25,876.35
BOOK VALUE OF INVESTMENTS, DECEMBER 31, 1940	$ 3,480,327.71

TABLE 14—Continued

LIST OF INVESTMENTS

SCHEDULE 1 FUNDS

Municipal Debentures

Security	Face Rate	Term	Par Value	Book Value
			$ c.	$ c.
Belleville:	5½%	May 1, 1952	120,000.00	122,053.43
	4½%	1943-1954	156,000.00	150,687.58
	5%	1947–1949	20,000.00	19,635.84
	5%	1946–1960	147,388.05	139,053.05
	5%	1946–1950	17,856.38	17,034.21
	5%	1945–1959	24,545.76	23,168.18
Bowmanville	5%	1945–1949	41,035.25	40,397.81
Brampton	4½%	1941–1944	799.31	782.97
Brantford:	4½%	Dec. 31, 1942	10,000.00	9,677.38
	6%	1941–1947	34,800.00	34,827.67
	5%	1941–1949	47,700.00	46,634.41
	5½%	1941–1953	13,000.00	13,401.21
	4%	Dec. 31, 1950	5,000.00	4,610.27
	5%	Dec. 15, 1963	50,000.00	59,575.57
Burlington	5%	1942–1951	10,843.18	10,964.98
Capreol	6%	1951–1958	18,000.00	18,354.11
Carleton Place	5½%	Dec. 15, 1941	2,050.85	2,050.85
Collingwood (guaranteed by County of Simcoe)	5-4½%	1967–1975	191,000.00	184,858.23
Dundas	5½%	1941–1946	8,592.96	8,614.31
East York:	5-4½%	1962–1979	172,187.29	164,776.83
	5-4½%	1963–1979	72,105.65	69,032.90
Essex, Village of	5%	1933–1934	1,266.00	1,256.46
Etobicoke:	5½%	1946–1949	45,000.00	46.349.47
	5%	1941–1957	23,401.77	23,466.08
	5%	1941–1957	71,000.00	70,031.13
	5%	1941–1958	26,624.06	26,703.93
	5%	1941–1948	57,071.95	54,377.79
	4½%	1948–1962	7,000.00	7,000.00
	4½%	1941–1963	28,902.43	28,902.43
Fort Erie:	5½-4½%	1971–1979	50,715.22	50,715.22
	5½-4½%	1970–1979	23,621.00	23,621.00
	5½-4½%	1975–1978	13,403.01	13,403.01
Fort William:	5%	Feb. 1, 1944	25,000.00	24,417.23
	6%	May 1, 1950	10,000.00	9,716.95
	5%	April 1, 1955	55,000.00	54,308.09
	5%	1946 & 1951	69,924.85	70,323.77
	5%	July 1, 1952	34,672.60	34,944.80
	5%	July 1, 1947	42,751.00	42,963.49
	5%	Jan. 1, 1957	30,000.00	31,004.22
	5%	April 1, 1959	76,000.00	75,362.86
Fort William (Guaranteeing McKellar Hospital)	4½%	May 1, 1948	88,000.00	87,309.45
Forest Hill Village:	5%	1943–1957	44,730.93	44,599.13
	5%	1943–1959	101,281.75	96,056.25
Galt:	5, 5½ & 6%	Dec. 6, 1961	19,284.69	18,568.34
	5½%	Dec. 1, 1962	68,400.36	71,071.16
	6%	Dec. 1, 1962	14,135.90	15,607.73
	5½%	Dec. 15, 1964	14,097.18	15,179.10
	5½%	July 2, 1965	35,254.75	37,470.51
Guelph:	4%	Dec. 31, 1953	46,441.00	41,415.47

TABLE 14—Continued

Municipal Debentures—Continued

Security	Face Rate	Term	Par Value	Book Value
			$ c.	$ c.
Hamilton:	5%	1944–1945	21,000.00	20,445.58
	4½%	1944–1945	37,000.00	35,517.03
	4½%	Mar. 1, 1947	10,000.00	9,725.42
	5%	1947–1949	54,000.00	53,787.38
	5%	1947–1949	104,000.00	103,591.31
	5%	1947–1949	6,000.00	5,976.70
	5%	1947–1949	2,000.00	1,992.24
	4½%	1946–1948	19,000.00	18,402.51
	4½%	1946–1949	42,000.00	40,665.57
	4½%	1946–1948	47,000.00	45,538.02
	4½%	1946–1948	55,000.00	53,179.58
	4½%	1946–1948	32,000.00	30,939.27
	4½%	1946–1948	9,000.00	8,702.85
	4½%	1946–1948	16,000.00	15,469.58
	4½%	1946–1949	82,000.00	79,279.70
	4½%	1946–1949	51,000.00	49,306.31
	5%	Jan. 2, 1945	43,000.00	42,918.00
	5%	Feb. 1, 1945	26,000.00	25,950.26
	5%	April 1, 1945	16,000.00	15,969.45
	5%	June 1, 1945	55,000.00	54,895.12
	5%	May 1, 1945	32,000.00	31,938.96
	6%	1943–1952	170,000.00	169,872.53
	6%	April 1, 1950	26,000.00	26,854.29
	6%	April 1, 1952	17,000.00	17,617.11
	4½%	Feb. 1, 1945	50,000.00	48,906.05
	5%	1959–1963	50,000.00	50,320.25
	5%	April 1, 1945	3,000.00	2,976.30
	4½%	Feb. 1, 1944	4,000.00	3,911.20
	5%	1950–1951	28,000.00	27,590.02
	5%	1952–1953	100,000.00	98,378.08
	5%	April 1, 1951	22,000.00	21,673.45
Hanover	5½%	1945–1959	65,703.97	66,703.36
Hawkesbury	6%	1933–1940	51,432.34	48,982.22
Kenora	5%	1941–1956	41,500.00	40,571.01
Kingston:	6%	1941–1948	2,200.00	2,193.69
	6%	1943–1945	16,300.00	16,245.20
Kingsville	6½–4½%	1942–1956	20,534.00	20,534.00
Kitchener:	5½%	1941–1946	448.99	445.55
	5½%	1946–1951	28,160.08	28,621.77
	5½%	1946–1952	18,281.49	18,593.08
Leaside:	5½%	1941–1949	68,000.00	66,483.62
	4½%	1941–1957	28,059.14	28,059.14
	4½%	1949–1959	54,296.74	54,099.31
La Salle	.....	....	2,279.90	2,279.90
Listowel	5½%	1941–1947	7,820.24	7,715.29
London	5%	1946–1950	58,000.00	58,620.90
Midland (Guaranteed by County of Simcoe:	5½–4½%	1961–1969	14,339.86	14,339.86
	5½–4½%	1961–1967	10,720.05	10,720.05
	5 –4½%	1961–1969	36,422.68	36,422.68
	5 –4½%	1960–1973	47,160.21	47,160.21
Mimico:	5½–4½%	1942–1968	62,940.45	62,940.45
	5½–4½%	1942–1968	43,174.68	43,174.68
	5 –4½%	1942–1965	36,525.33	36,525.33
Mount Forest	5%	1945–1948	26,183.59	25,899.66
New Toronto:	3%	1945–1952	40,000.00	38,553.54
	3%	1945–1952	40,000.00	37,855.04

Table 14—Continued

Municipal Debentures—Continued

Security	Face Rate	Term	Par Value	Book Value
			$ c.	$ c.
Niagara Falls:	5%	1941–1945	27,492.54	26,525.14
	6%	July 1, 1941	9,047.45	9,004.77
	5½%	1941–1953	52,098.50	52,663.79
	5%	1941–1952	13,033.76	12,807.91
	3½%	1945–1949	23,000.00	23,000.00
North Bay:	5%	June 7, 1942	475.10	475.10
	6%	1941–1942	28,439.20	28,554.07
	5%	1941–1947	27,810.68	28,064.37
	4½%	1941–1943	8,190.93	8,152.50
	5½%	1941–1948	128,051.00	130,156.08
Northumberland and Durham, United Counties of	5%	1941–1948	27,358.70	27,101.11
North York, Twp.:	5½%	Mar. 16, 1941	2,000.00	2,011.31
	5½%	1941–1944	14,665.42	14,846.95
	5½%	1941–1943	19,866.97	20,065.61
	5½%	1943–1957	36,885.12	38,522.78
	5½%	1941–1958	22,970.73	24,101.94
	5%	1942–1948	39,681.72	40,065.70
	4½%	1944–1952	8,000.00	8,000.00
Orillia (Guaranteed by County of Simcoe)	5%	1941–1954	17,156.14	17,208.39
Oshawa:	6%	1945–1951	45,133.48	44,064.70
	5%	1941–1943	49,000.00	48,700.94
	5½%	1945–1949	100,000.00	99,130.92
Ottawa:	6%	July 1, 1951	15,000.00	16,278.98
	5½%	1951–1961	226,000.00	225,640.20
	5½%	July 1, 1961	114,000.00	113,443.96
	5½%	July 1, 1961	46,000.00	45,870.42
	5½%	July 1, 1961	10,000.00	12,653.68
Parry Sound:	6%	1941–1944	2,216.78	2,193.91
	6%	1941–1950	40,102.66	38,014.16
Pembroke	5–4½%	1956–1961	75,025.53	75,025.53
Perth:	5%	1944–1948	55,000.00	55,599.27
	5%	1945–1950	21,000.00	20,881.24
Peterborough	4½%	June 30, 1951	50,000.00	44,759.64
Port Arthur:	5%	June 1, 1959	50,000.00	48,822.34
	5½%	June 1, 1948	53,000.00	50,241.11
Port Arthur (Guaranteeing General Hospital:	5½%	Nov. 1, 1955	100,000.00	103,888.31
	5½%	Oct. 1, 1954	40,000.00	41,384.41
Renfrew:	6%	1941–1947	3,778.10	3,799.68
	5%	1947–1958	55,034.42	55,298.86
Richmond Hill	5%	1941–1944	2,411.75	2,411.75
Riverside	.....	....	6,399.65	6,399.65
St. Mary's:	5%	Oct. 31, 1943	4,870.30	4,810.95
	5%	Jan. 1, 1944	2,500.00	2,466.01
St. Thomas	6%	1949–1951	44,646.59	43,466.71
Sandwich East	.....	....	5,399.71	5,399.71
Sandwich West	.....	....	7,539.62	7,539.62
	6–½%	1938–1948	80,272.18	12,040.83
Sarnia	5%	1942–1947	62,914.68	62,356.49
Sault Ste. Marie:	6%	Mar. 25, 1949	24,771.50	25,598.55
	5½%	April 1, 1950	45,000.00	42,134.79
	5½%	Jan. 20, 1945	6,000.00	6,096.16
	5½%	Jan. 20, 1945	4,000.00	4,039.62
	5½%	1941–1942	11,000.00	11,022.84
	5%	June 1, 1949	3,900.00	3,833.83
	5½%	Dec. 15, 1949	5,000.00	5,088.73

Table 14—Continued

Municipal Debentures—Continued

Security	Face Rate	Term	Par Value	Book Value
			$ c.	$ c.
Scarborough	5-4½%	1960-1966	25,000.00	25,105.62
	5-4½%	1964-1978	75,474.03	73,088.87
	5-4½%	1954-1960	1,689.23	1,689.23
Simcoe, Town of	6%	1941-1945	2,539.99	2,573.15
Sioux Lookout	6%	1944-1947	4,000.00	4,000.00
Smith's Falls:	5½%	1941-1944	1,371.05	1,371.05
	6%	1941-1946	6,787.55	6,895.37
	5½%	1941-1947	6,094.01	6,031.63
	5%	1944-1946	54,000.00	54,000.00
Stratford:	5%	Jan. 1, 1945	25,000.00	24,561.36
	5%	Jan. 1, 1945	15,000.00	14,737.26
	5%	Jan. 1, 1945	10,000.00	9,824.54
	5%	Jan. 1, 1945	2,000.00	2,006.04
	5%	Jan. 1, 1945	13,000.00	12,707.42
	6%	Jan. 1, 1951	40,000.00	39,254.54
	5%	June 15, 1955	30,000.00	30,160.53
	5½%	Jan. 1, 1952	13,000.00	13,100.91
Sudbury:	5%	1941-1949	45,943.48	44,984.47
	5%	1945-1948	66,235.66	66,045.24
	3%	1950-1954	69,052.75	66,345.10
	3%	1945-1949	29,565.51	28,645.38
Thorold	5-4½%	Aug. 15, 1979	3,000.00	2,953.89
Tillsonburg:	5½%	Mar. 20, 1945	975.00	975.00
	5½%	1941-1944	361.75	361.75
Timmins:	4%	1941-1949	77,920.26	79,242.34
	4%	1941-1949	27,803.05	28,452.41
Toronto:	4½%	July 1, 1948	4,000.00	3,626.97
	4½%	Jan. 1, 1945	19,000.00	16,293.35
	5½%	1945-1947	11,000.00	10,743.08
	6%	1943-1951	48,000.00	48,000.00
	5½%	1945-1951	19,000.00	19,383.54
	6%	1945-1951	9,000.00	9,488.77
	5%	July 1, 1950	20,000.00	20,113.13
	5%	April 1, 1950	25,000.00	25,141.39
	4½%	June 1, 1946	7,000.00	6,849.93
	4½%	May 1, 1945	2,000.00	1,964.08
	4½%	1944-1948	26,000.00	25,520.42
	5%	1947-1951	61,000.00	61,208.26
	5½%	Mar. 1, 1949	2,000.00	2,082.60
	6%	June 1, 1950	10,000.00	10,890.98
	5½%	1946-1958	53,000.00	53,650.67
	5½%	April 1, 1957	25,000.00	24,600.95
	5½%	1944-1947	35,000.00	34,726.76
	5½%	1958-1962	125,000.00	123,249.33
	5½%	1943-1944	17,000.00	16,905.05
	5½%	1945-1952	27,000.00	26,154.50
	5%	July 1, 1946	30,000.00	29,981.95
	5½%	April 1, 1952	5,000.00	5,172.35
	5½%	1950-1951	15,000.00	15,495.34
	5½%	April 1, 1951	11,000.00	11,399.54
	6%	1946-1951	20,000.00	21,317.12
	4½%	Aug. 1, 1951	28,000.00	26,282.02
	6%	July 1, 1951	10,000.00	10,021.79
	5½%	Dec. 1, 1962	54,000.00	54,819.73
Toronto Harbour Commission (Guaranteed by City of Toronto)	4½%	Sept. 1, 1953	14,000.00	13,206.22
Toronto Twp.	5½%	1941-1952	18,104.29	18,712.07
Trenton	5½%	1942-1943	25,000.00	25,296.37
Welland County	5%	Dec. 15, 1945	10,000.00	9,838.50
Weston:	6%	1949-1952	24,949.65	26,957.08
	3%	1948-1950	33,382.30	31,791.21

Table 14—Continued

Municipal Debentures—Continued

Security	Face Rate	Term	Par Value	Book Value
			$ c.	$ c.
West Gwillimbury (Guaranteed by County of Simcoe)	5½%	1942–1956	36,107.36	36,208.30
Whitby:	5½%	1941–1946	5,313.94	5,334.99
	5½%	1941–1946	1,924.82	1,933.32
	5½%	1941–1946	2,406.05	2,429.11
Windsor:	4%	Dec. 31, 1975	162,300.66	171,213.34
	4%	Dec. 31, 1975	145,738.15	151,198.29
	4%	Dec. 31, 1975	25,000.00	25,049.19
	4%	Jan. 1, 1948	698.72	698.72
	3¼%	Dec. 31, 1975	604,238.79	573,892.43
	3¼%	Dec. 31, 1975	110,000.00	104,477.83
	3¼%	Jan. 1, 1948	634.38	634.38
	2%	Dec. 31, 1975	145,737.13	101,822.18
	2%	Dec. 31, 1975	18,000.00	12,576.22
	2%	Jan. 1, 1948	679.06	679.06
	1½%	Dec. 31, 1975	598,654.36	358,127.10
	1½%	Dec. 31, 1975	15,000.00	8,973.31
	1½%	Jan. 1, 1948	819.22	819.22
York, Twp.:	5–4½%	1966–1973	100,000.00	100,130.12
	6–4½%	1967–1977	102,407.13	104,041.16
	5–4½%	1975–1979	225,000.00	217,006.02
	5–4½%	1967–1973	195,000.00	195,155.63
	5–4½%	1972–1979	22,000.00	22,000.00
	5–4½%	Feb. 1, 1977	25,000.00	25,336.53
	5½–4½%	1966–1975	20,731.26	21,343.23
	6–4½%	1967–1977	8,679.27	9,159.59
	6–4½%	1966–1977	27,659.28	29,275.99
	5–4½%	1972–1979	74,000.00	73,437.51
	5–4½%	1972–1979	110,295.98	104,764.87
York Twp. (Guaranteed by County of York):	5%	1951–1956	93,000.00	89,487.71
	5%	1946–1957	21,000.00	21,089.98
			10,695,784.90	10,232,386.02

Other Permanent Investments

			$ c.	$ c.
Canadian National Railways (Guaranteed by Dominion of Canada):	5%	Feb. 1, 1954	100,000.00	103,589.27
	5%	Feb. 1, 1954	50,000.00	51,740.55
	5%	Feb. 1, 1954	80,000.00	77,608.87
	5%	Feb. 1, 1954	36,000.00	34,799.56
	5%	Feb. 1, 1954	121,000.00	118,349.12
	5%	Feb. 1, 1954	247,000.00	242,475.71
	5%	Feb. 1, 1954	50,000.00	51,537.18
	5%	Feb. 1, 1954	23,000.00	23,720.68
	5%	Feb. 1, 1954	50,000.00	51,740.55
	5%	Feb. 1, 1954	50,000.00	51,607.46
	5%	Feb. 1, 1954	60,000.00	61,928.95
	5%	Feb. 1, 1954	25,000.00	25,828.59
	5%	Feb. 1, 1954	90,000.00	92,909.94
	5%	Feb. 1, 1954	463,000.00	454,513.23
	5%	Feb. 1, 1954	40,000.00	35,983.51
	5%	Feb. 1, 1954	115,000.00	130,456.17
	5%	Feb. 1, 1954	43,000.00	48,821.81
	5%	Feb. 1, 1954	100,000.00	114,132.25
	5%	Feb. 1, 1954	40,000.00	45,810.88
	5%	Feb. 1, 1954	25,000.00	28,004.89

Table 14—Continued

Other Permanent Investments—Continued

Security	Face Rate	Term	Par Value	Book Value
			$ c.	$ c.
Canadian National Railways (Guaranteed by Dominion of Canada):	5%	Feb. 1, 1954	50,000.00	55,993.15
	5%	Feb. 1, 1954	25,000.00	27,898.63
	5%	Feb. 1, 1954	90,000.00	101,564.74
	5%	Feb. 1, 1954	50,000.00	57,307.82
	5%	Feb. 1, 1954	50,000.00	57,388.77
	5%	Feb. 1, 1954	40,000.00	45,843.19
	5%	Feb. 1, 1954	32,000.00	36,674.58
	5%	Feb. 1, 1954	46,000.00	53,699.33
	5%	Feb. 1, 1954	50,000.00	58,015.62
	5%	Feb. 1, 1954	50,000.00	58,307.95
	5%	Feb. 1, 1954	25,000.00	28,432.26
	5%	Feb. 1, 1954	25,000.00	28,717.00
	4¾%	June 15, 1955	22,000.00	24,905.38
	4¾%	June 15, 1955	24,000.00	27,552.02
	4½%	July 1, 1957	100,000.00	109,779.77
	4½%	July 1, 1957	75,000.00	82,180.81
	4½%	July 1, 1957	100,000.00	109,779.69
	4½%	July 1, 1957	100,000.00	109,677.03
	4½%	July 1, 1957	100,000.00	109,882.34
	4½%	July 1, 1957	250,000.00	275,218.32
	4½%	July 1, 1957	60,000.00	66,236.79
	4½%	July 1, 1957	100,000.00	110,804.08
	4½%	July 1, 1957	120,000.00	133,605.17
	4½%	July 1, 1957	65,000.00	72,288.23
	4½%	July 1, 1957	75,000.00	82,719.99
	4½%	July 1, 1957	244,000.00	271,661.91
	4½%	July 1, 1957	52,000.00	58,474.15
	4½%	July 1, 1957	100,000.00	113,803.90
	4½%	July 1, 1957	117,000.00	131,865.82
	4½%	July 1, 1957	25,000.00	28,368.02
	4½%	July 1, 1957	30,000.00	33,313.23
	4½%	July 1, 1957	15,000.00	16,418.04
	4½%	July 1, 1957	50,000.00	55,776.21
	4½%	July 1, 1957	25,000.00	27,940.52
	4½%	July 1, 1957	50,000.00	55,560.68
	4½%	July 1, 1957	32,000.00	35,558.81
	4½%	July 1, 1957	23,000.00	25,657.19
	4½%	July 1, 1957	40,000.00	44,836.35
	4½%	July 1, 1957	50,000.00	56,878.93
	4½%	July 1, 1957	50,000.00	56,520.30
	4½%	July 1, 1957	50,000.00	56,563.20
	4½%	July 1, 1957	35,000.00	39,658.41
	4½%	July 1, 1957	50,000.00	56,563.20
	4½%	July 1, 1957	50,000.00	56,654.89
Dominion of Canada:	4½%	Nov. 1, 1948/58	465,000.00	489,002.25
	4½%	Nov. 1, 1948/58	30,000.00	31,862.63
	4½%	Nov. 1, 1948/58	100,000.00	106,517.44
	4½%	Nov. 1, 1948/58	50,000.00	53,340.80
	4½%	Nov. 1, 1948/58	200,000.00	213,297.22
	4½%	Nov. 1, 1948/58	23,000.00	24.489.59
	4½%	Nov. 1, 1949/59	100,000.00	107,155.02
	4½%	Nov. 1, 1949/59	135,000.00	148,338.18
	4½%	Nov. 1, 1949/59	59,000.00	64,956.61
	4½%	Nov. 1, 1949/59	185,000.00	199,806.71
	3¼%	1948/1952	120,000.00	120,000.00
	3%	1949/1952	375,000.00	370,312.50
Province of Ontario:	5½%	July 1, 1946	250,000.00	243,079.71
	5½%	July 1, 1946	100,000.00	97,737.05
	5½%	July 1, 1946	115,000.00	114,328.05
	5½%	July 1, 1946	15,000.00	16,101.02
	5½%	July 1, 1946	200,000.00	214,409.02
	5½%	July 1, 1946	25,000.00	26,806.41

Table 14—Continued

Other Permanent Investments—Continued

Security	Face Rate	Term	Par Value	Book Value
			$ c.	$ c.
Province of Ontario:	5½%	July 1, 1946	461,000.00	450,614.67
	5½%	July 1, 1946	34,000.00	36,713.44
	3¼%	Nov. 1, 1947	100,000.00	99,555.53
	4½%	Dec. 1, 1947	13,000.00	12,346.38
	5½%	Feb. 1, 1947	125,000.00	121,607.07
	5½%	Feb. 1, 1947	226,000.00	226,467.41
	5½%	Feb. 1, 1947	145,000.00	145,809.16
	5½%	Feb. 1, 1947	116,000.00	116,458.86
	5½%	Feb. 1, 1947	10,000.00	9,799.79
	5½%	Feb. 1, 1947	100,000.00	99,761.60
	5½%	Feb. 1, 1947	10,000.00	10,826.28
	5½%	Feb. 1, 1947	62,000.00	67,210.26
	5½%	Feb. 1, 1947	35,000.00	37,904.58
	5½%	Feb. 1, 1947	91,500.00	94,099.24
	5½%	Feb. 1, 1947	50,000.00	52,513.45
	5½%	Feb. 1, 1947	150,000.00	163,662.24
	5½%	Feb. 1, 1947	25,000.00	27,202.23
	5½%	Feb. 1, 1947	60,000.00	67,095.04
	5½%	Feb. 1, 1947	25,000.00	27,962.45
	5½%	Feb. 1, 1947	44,000.00	49,214.35
	5½%	Feb. 1, 1947	25,000.00	27,883.75
	5½%	Feb. 1, 1947	20,000.00	21,702.79
	5%	Oct. 15, 1948	250,000.00	247,125.23
	5%	Oct. 15, 1948	50,000.00	50,413.38
	5%	Oct. 15, 1948	60,000.00	60,491.94
	5%	Oct. 15, 1948	25,000.00	25,211.50
	5%	Oct. 15, 1948	50,000.00	50,410.24
	5%	Oct. 15, 1948	50,000.00	50,728.79
	5%	Oct. 15, 1948	50,000.00	49,235.97
	5%	Oct. 15, 1948	50,000.00	55,193.49
	5%	Oct. 15, 1948	79,000.00	87,136.72
	5%	Oct. 15, 1948	50,000.00	54,431.09
	5%	Oct. 15, 1948	25,000.00	27,321.78
	5%	Oct. 15, 1948	50,000.00	55,564.05
	5%	Oct. 15, 1948	50,000.00	55,375.63
	5%	Oct. 15, 1948	75,000.00	83,346.81
	4½%	Jan. 16, 1949	207,000.00	192,087.26
	4½%	Jan. 16, 1949	158,000.00	147,151.09
	4½%	Jan. 16, 1949	25,000.00	26,055.01
	4½%	Jan. 16, 1949	83,000.00	80,165.97
	4½%	Jan. 16, 1949	74,000.00	78,232.08
	4½%	Jan. 16, 1949	30,000.00	31,502.81
	4½%	Dec. 1, 1949	300,000.00	279,762.70
	3%	Dec. 15, 1949	50,000.00	47,343.61
	4½%	June 1, 1950	50,000.00	52,162.32
	4½%	June 1, 1950	290,000.00	313,259.90
	4½%	June 1, 1950	100,000.00	106,402.87
	4½%	June 1, 1950	135,000.00	143,584.65
	4½%	June 1, 1950	40,000.00	42,516.19
	4½%	June 1, 1950	35,000.00	37,527.73
	4½%	Nov. 1, 1950	10,000.00	10,750.22
	4½%	Dec. 1, 1950	700,000.00	649,283.44
	3¼%	Nov. 15, 1951	25,000.00	23,417.52
	3¼%	Nov. 15, 1951	25,000.00	24,594.17
	3¼%	Nov. 15, 1951	70,000.00	69,211.83
	3½%	Dec. 1, 1951	100,000.00	99,767.33
	3½%	Dec. 1, 1951	28,000.00	27,936.69
	3%	Jan. 15, 1952	46,000.00	43,417.67
	3%	Jan. 15, 1952	50,000.00	46,522.96
	5%	April 1, 1952	42,000.00	47,922.34
	3¼%	1952/1955	100,000.00	98,782.02
	4%	1952–1970	29,000.00	29,576.14
	4½%	Dec. 1, 1953	5,000.00	5,464.04
	4½%	May 15, 1954	10,000.00	10,783.82

Table 14—Continued

Other Permanent Investments—Continued

Security	Face Rate	Term	Par Value	Book Value
			$ c.	$ c.
Province of Ontario:	3%	June 1, 1954	50,000.00	46,308.45
	3%	Jan. 15, 1955	50,000.00	46,633.27
	3%	Jan. 15, 1955	12,000.00	11,078.21
	4½%	Jan. 15, 1955	15,000.00	16,514.64
	4½%	1955–1959	12,000.00	12,717.78
	4½%	Jan. 15, 1956	500,000.00	480,479.53
	4½%	1956–1968	50,000.00	56,370.42
	4%	May 15, 1957	100,000.00	104,944.00
	4½%	May 15, 1957	10,000.00	10,981.37
	4½%	1957–1970	25,000.00	28,535.32
	3%	Jan. 15, 1958	500,000.00	497,815.34
	3%	Jan. 15, 1959	500,000.00	497,796.02
	4½%	Jan. 15, 1959	20,000.00	22,613.94
	4½%	Jan. 15, 1959	30,000.00	32,772.47
	5%	May 1, 1959	250,000.00	249,513.49
	5%	May 1, 1959	100,000.00	117,852.67
	5%	May 1, 1959	50,000.00	59,248.19
	5%	May 1, 1959	20,000.00	24,060.06
	5%	May 1, 1959	41,000.00	48,674.70
	5%	May 1, 1959	64,000.00	75,979.98
	5%	May 1, 1959	20,000.00	23,666.10
	5%	May 1, 1959	25,000.00	29,697.66
	5%	May 1, 1959	25,000.00	30,074.53
	5%	May 1, 1959	28,000.00	34,114.53
	5%	May 1, 1959	50,000.00	60,754.40
	5%	May 1, 1959	25,000.00	30,234.14
	5%	May 1, 1959	50,000.00	60,918.10
	5%	May 1, 1959	30,000.00	36,049.50
	5%	May 1, 1959	14,000.00	15,777.74
	5%	May 1, 1959	115,000.00	134,057.22
	4½%	1959–1961	18,000.00	20,200.60
	4½%	1959–1965	45,000.00	50,323.15
	4%	1960–1963	87,000.00	93,207.50
	4%	1960–1966	44,000.00	45,517.40
	4%	1960–1968	156,000.00	167,419.10
	4%	1960–1971	318,000.00	342,245.57
	4½%	1960–1965	42,000.00	47,610.10
	4%	June 1, 1960	22,000.00	23,540.00
	5%	Dec. 2, 1960	30,000.00	34,944.45
	5%	Dec. 2, 1960	18,000.00	21,849.98
	5%	Dec. 2, 1960	25,000.00	29,786.31
	5%	Dec. 2, 1960	126,000.00	150,495.36
	5%	Dec. 2, 1960	25,000.00	30,361.41
	5%	Dec. 2, 1960	32,000.00	38,198.10
	5%	Dec. 2, 1960	25,000.00	30,481.23
	5%	Dec. 2, 1960	41,000.00	50,313.31
	5%	Dec. 2, 1960	61,000.00	74,081.21
	5%	Dec. 2, 1960	25,000.00	30,361.40
	5%	Dec. 2, 1960	100,000.00	123,081.38
	5%	Dec. 2, 1960	65,000.00	76,800.33
	5%	Dec. 2, 1960	35,000.00	41,309.17
	5%	Dec. 2, 1960	90,000.00	106,428.12
	4½%	Jan. 15, 1961	50,000.00	57,668.52
	4½%	Jan. 15, 1961	50,000.00	57,669.86
	4½%	Jan. 15, 1961	20,000.00	22,908.72
	4½%	May 15, 1961	29,000.00	33,062.10
	4½%	May 15, 1961	25,000.00	28,324.59
	4%	1961–1967	20,000.00	21,466.51
	4½%	1961–1967	9,000.00	9,692.57
	4½%	Jan. 15, 1962	75,000.00	86,883.39
	4%	May 15, 1962	50,000.00	52,659.98
	4½%	May 15, 1962	25,000.00	28,870.68
	4%	1962–1968	6,000.00	6,372.99
	4%	1962–1970	106,000.00	112.568.22

Table 14—Continued

Other Permanent Investments—Continued

Security	Face Rate	Term	Par Value	Book Value
			$ c.	$ c.
Province of Ontario:	4%	1962–1967	296,000.00	314,326.26
	4½%	1962–1971	23,000.00	26,732.04
	4½%	May 15, 1963	43,000.00	48,228.02
	4%	1963–1964	40,000.00	41,425.40
	4½%	1963–1964	27,000.00	30,495.11
	4½%	1963–1968	12,000.00	12,972.22
	4½%	Jan. 15, 1963	125,000.00	143,465.91
	4½%	Jan. 15, 1963	89,000.00	102,618.60
	4½%	Jan. 15, 1963	75,000.00	85,979.11
	4%	June 1, 1963	32,000.00	32,962.17
	4½%	Jan. 15, 1965	75,000.00	86,925.76
	4½%	Jan. 15, 1965	19,000.00	21,904.15
	4½%	Jan. 15, 1965	36,000.00	41,713.19
	4½%	Jan. 15, 1965	25,000.00	29,002.56
	4½%	Jan. 15, 1965	25,000.00	29,091.27
	4½%	Jan. 15, 1965	10,000.00	11,357.98
	4½%	May 15, 1965	50,000.00	57,913.87
	4½%	May 15, 1965	52,000.00	53,027.38
	4%	June 1, 1965	20,000.00	21,351.29
	4%	1965–1966	27,000.00	28,514.82
	4½%	1965–1969	78,000.00	91,409.10
	4½%	1965–1970	65,000.00	75,622.69
	4½%	Jan. 15, 1966	50,000.00	56,301.39
	4½%	Jan. 15, 1967	25,000.00	28,133.14
	4½%	May 15, 1967	25,000.00	27,464.70
	4%	June 1, 1967	100,000.00	107,308.35
	4½%	Jan. 15, 1968	100,000.00	117,567.72
	4%	May 15, 1968	40,000.00	42,206.40
	4½%	May 15, 1968	50,000.00	58,169.25
	4½%	May 15, 1968	85,000.00	95,880.31
	4%	June 1, 1968	10,000.00	10,000.00
	4½%	Jan. 15, 1969	100,000.00	117,019.24
	4½%	Jan. 15, 1969	50,000.00	56,531.46
	4½%	May 15, 1969	75,000.00	87,706.00
	4½%	Jan. 15, 1970	101,000.00	118,454.60
	4½%	Jan. 15, 1970	25,000.00	27,771.65
	4½%	Jan. 15, 1970	100,000.00	115,652.96
	4½%	Jan. 15, 1970	25,000.00	29,221.78
	4½%	Jan. 15, 1970	20,000.00	23,393.78
	4½%	Jan. 15, 1970	24,000.00	27,360.08
	4½%	Jan. 15, 1970	45,000.00	51,395.24
	4½%	May 15, 1970	10,000.00	11,758.45
	4½%	May 15, 1970	25,000.00	28,571.69
	4%	June 1, 1970	25,000.00	27,132.54
	4½%	Jan. 15, 1971	25,000.00	28,262.89
	4½%	Jan. 15, 1971	25,000.00	27,603.92
	4½%	Jan. 15, 1971	10,000.00	11,363.05
	4%	June 1, 1971	25,000.00	27,834.67
Province of Ontario guaranteed:				
Town of Englehart	6%	1945–1954	20,388.11	21,318.29
Hydro-Electric Power Comm'n.:	5%	July 1, 1945	78,000.00	74,018.87
	5%	July 15, 1946	50,000.00	47,771.39
	5%	July 15, 1946	50,000.00	47,162.52
	4%	Aug. 1, 1957	15,000.00	15,467.71
	4%	Aug. 1, 1957	25,000.00	25,779.48
	4%	Aug. 1, 1957	20,000.00	21,292.23
	4%	Aug. 1, 1957	55,000.00	57,422.37
	4½%	April 1, 1960	20,000.00	21,337.56
	4½%	April 1, 1960	50,000.00	53,343.70
	4½%	April 1, 1960	24,000.00	25,944.06
	4½%	April 1, 1960	22,000.00	23,925.19
	4½%	April 1, 1960	22,000.00	24,756.74
	4½%	April 1, 1960	131,000.00	147,421.84
	4½%	April 1, 1960	25,000.00	28,133.93

Table 14—Continued

Other Permanent Investments—Continued

Security	Face Rate	Term	Par Value	Book Value
			$ c.	$ c.
Province of Ontario guaranteed: Hydro-Electric Power Comm'n.:	4½%	April 1, 1960	81,000.00	92,252.88
	6%	July 1, 1961	120,000.00	153,354.18
	6%	July 1, 1961	25,000.00	32,572.60
	6%	July 1, 1961	100,000.00	125,772.80
	4¾%	Jan. 1, 1970	25,000.00	22,801.91
	4¾%	Jan. 1, 1970	41,000.00	45,735.06
	4¾%	Jan. 1, 1970	46,000.00	51,417.91
	4¾%	Jan. 1, 1970	154,000.00	172,261.11
	4¾%	Jan. 1, 1970	105,000.00	124,848.85
	4¾%	Jan. 1, 1970	13,000.00	15,406.88
	4¾%	Jan. 1, 1970	50,000.00	57,945.47
	4¾%	Jan. 1, 1970	57,000.00	67,944.36
	4¾%	Jan. 1, 1970	66,000.00	78,747.53
	4¾%	Jan. 1, 1970	50,000.00	59,657.32
	4¾%	Jan. 1, 1970	33,000.00	39,524.48
	4¾%	Jan. 1, 1970	75,000.00	89,688.70
	4¾%	Jan. 1, 1970	38,500.00	46,110.55
	4¾%	Jan. 1, 1970	10,000.00	11,691.83
	4¾%	Jan. 1, 1970	49,000.00	57,330.05
	4¾%	Jan. 1, 1970	100,000.00	116,914.29
	4¾%	Jan. 1, 1970	63,000.00	74,091.06
	4¾%	Jan. 1, 1970	95,000.00	91,378.61
	4¾%	Jan. 1, 1970	60,000.00	68,809.42
	4¾%	Jan. 1, 1970	18,500.00	21,031.85
	4¾%	Jan. 1, 1970	35,000.00	39,807.81
	4¾%	Jan. 1, 1970	100,000.00	116,591.08
	4¾%	Jan. 1, 1970	50,000.00	58,236.93
	4¾%	Jan. 1, 1970	125,000.00	145,592.31
	4¾%	Jan. 1, 1970	50,000.00	58,003.69
	4¾%	Jan. 1, 1970	38,000.00	43,860.86
	4¾%	Jan. 1, 1970	16,000.00	18,972.65
	4¾%	Jan. 1, 1970	100,000.00	114,614.74
Sandwich, Windsor & Amherstburg Railway:	4½%	June 1, 1943	49,000.00	47,565.32
	4½%	June 1, 1943	25,000.00	25,443.50
Sturgeon Falls	6%	1946–1952	40,092.65	48,955.44
Temiskaming & Northern Ontario Railway:	4%	1960–1965	31,000.00	32,583.16
	4%	Feb. 1, 1963	33,000.00	34,656.58
	4%	1965–1966	16,000.00	17,439.86
Province of Ontario guaranteed: Temiskaming & Northern Ontario Railway:	4%	Feb. 1, 1966	100,000.00	108,689.39
	4%	Feb. 1, 1967	100,000.00	105,389.69
	4%	1967–1968	55,000.00	57,996.13
	4%	1951–1952	269,000.00	274,415.50
	4%	1953–1957	160,000.00	168,308.51
	4%	1954–1959	69,000.00	70,318.90
	4%	Feb. 1, 1956	70,000.00	72,771.96
	4%	Feb. 1, 1959	145,000.00	124,413.82
	4%	1958–1967	112,000.00	118,187.38
	4%	Feb. 1, 1967	35,000.00	38,006.36
Tisdale Twp.:	6%	1943–1944	14,226.05	14,810.44
	6%	1943–1944	6,713.43	6,989.75
			23,866,920.24	25,422,275.95
TOTAL PERMANENT INVESTMENTS, SCHEDULE 1			34,562,705.14	35,654,661.97

Table 14—Continued

SCHEDULE 2 FUNDS

Municipal Debentures

Security	Face Rate	Term	Par Value	Book Value
			$ c.	$ c.
Barton, Twp.	5½%	July 14, 1952	63,000.00	63,808.78
Belleville:	5%	1943–1945	3,450.26	3,377.93
	5%	1943–1950	8,000.00	7,740.73
	5%	1941–1946	9,200.28	9,020.59
Brantford	4%	Dec. 31, 1949	15,000.00	13,501.39
Chippawa, (Guaranteed by County of Welland)	5½%	1941–1944	22,578.30	22,562.96
Cornwall	5½%	1941–1943	10,248.45	10,235.93
Etobicoke, Twp.:	5%	1941–1955	24,867.79	24,119.43
	5%	1941–1956	32,574.89	32,469.73
	5½%	1942–1956	58,470.29	60,128.05
	5%	1948–1955	43,000.00	41,217.40
Galt	5%	Dec. 15, 1965	19,460.45	18,549.40
Hamilton:	4½%	1945–1946	65,000.00	61,644.99
	4½%	1945–1946	57,000.00	54,439.09
	5%	1942–1946	35,000.00	34,486.85
	4½%	May 1, 1961	10,000.00	11,350.85
Kingston	5%	July 1, 1955	70,000.00	66,848.45
Kitchener	6%	1944–1947	10,418.06	10,681.68
London:	5%	Dec. 30, 1954	411,000.00	393,295.20
	5%	1945–1956	194,000.00	190,307.88
	5%	1943–1955	63,000.00	62,203.22
North Bay	5½%	1941–1943	31,000.00	30,833.02
Peterborough	5%	Dec. 31, 1945	20,000.00	19,563.23
Renfrew, Town	5½%	1949–1953	50,234.63	50,654.99
Stamford, Twp.	5½%	1941–1954	246,628.19	247,304.29
Stratford:	5.30%	July 1, 1954	82,000.00	82,784.60
	5%	1941–1956	109,313.19	106,661.76
Thorold	5–4½%	1963–1979	48,048.40	46,130.84
Toronto:	5%	1950–1951	50,000.00	49,015.74
	4½%	Jan. 1, 1949	5,000.00	4,677.52
	5%	July 1, 1950	4,000.00	3,870.43
	4½%	April 1, 1961	5,000.00	5,571.24
Victoria, County	5%	1951–1959	17,954.20	17,016.49
Waterloo, Town	5½%	1941–1947	19,195.72	19,092.47
York, Twp.	5–4½%	1972–1979	214,197.93	203,233.10
			2,127,841.03	2,078,400.25

Table 14—Continued

SCHEDULE 2 FUNDS

Other Permanent Investments

Security	Face Rate	Term	Par Value	Book Value
			$ c.	$ c.
Canadian National Railways (Guaranteed by Dominion of Canada):	5%	Feb. 1, 1954	50,000.00	47,135.09
	5%	Feb. 1, 1954	50,000.00	57,307.45
	4½%	July 1, 1957	60,000.00	67,060.71
Dominion of Canada:	4½%	Nov. 1, 1948/58	50,000.00	53,104.59
	4½%	Nov. 1, 1949/59	377,000.00	413,517.81
Hydro-Electric Power Commission (Guaranteed by Province of Ontario):	4½%	April 1, 1960	50,000.00	55,523.41
	6%	July 1, 1961	28,000.00	35,096.37
	4¾%	Jan. 1, 1970	63,000.00	73,378.63
Province of Ontario:	5%	Oct. 1, 1942	31,000.00	30,703.81
	5½%	Feb. 1, 1947	40,000.00	44,739.89
	5%	Oct. 15, 1948	50,000.00	50,411.42
	5%	April 1, 1952	19,000.00	18,397.41
	5%	May 1, 1959	25,000.00	30,319.69
	5%	May 1, 1959	25,000.00	30,089.46
	4½%	1959–1970	30,000.00	34,616.80
	5%	Dec. 2, 1960	100,000.00	119,731.59
	4%	June 1, 1966	100,000.00	109,278.09
	4½%	1966–1968	15,000.00	17,156.56
	4½%	May 15, 1970	7,000.00	7,977.95
	4%	1970–1971	20,000.00	21,658.68
	4%	June 1, 1971	30,000.00	32,211.27
Temiskaming & Northern Ontario Railway (Guaranteed by Province of Ontario)	4%	1960–1966	35,000.00	35,805.14
	4%	1953–1968	16,000.00	16,705.64
			1,271,000.00	1,401,927.46
TOTAL PERMANENT INVESTMENTS, SCHEDULE 2			3,398,841.03	3,480,327.71

SHORT DATE DEPOSIT, SCHEDULE 1

Security	Face Rate	Term	Par Value	Book Value
Huron & Erie Mortgage Corp'n.	2%		$50,000.00	

CHAPTER V

1939 OPERATIONS

This chapter deals with the year 1939, containing information which was not available when the report for that year was made.

It gives the final financial statement for Schedule 1 industries for the year, estimates of the adjustments of assessments and of the outstanding compensation and medical aid having to be used in the provisional statement given in Table 1 of the 1939 report; and it gives statistical information as to the accidents which happened during 1939, their causes, the nature of the injuries suffered, the number, time loss, total and average cost of the different classes of cases, and the age, wage, nationality, and marital condition of the injured workmen.

This information is contained in Tables 15 to 26.

Final Financial Statement, Schedule 1, 1939

Table 15 gives the final financial statement for Schedule 1 industries for 1939, provisional figures for which were given in Table 1 of the 1939 report. It shows the income and credits and the expenditures and charges and the balance for each class of industry; also the actual assessments and accident cost and other items of income and expenditure for each class, and the assessments and accident cost for each group of industry within the class. The list of industries included in each class and group will be found in the Board's rate book, the list of industries in the different classes is also printed with the Act, and their general nature is indicated at the bottom of Table 1 of this report.

The net income and credits for all classes for the year were $6,129,577.52, and the net expenditure and charges $6,035,438.42, leaving a surplus for the year of $94,139.10. Adding the surplus forward from prior years of $3,643,598.97, leaves a net actual surplus of $3,737,738.07, as compared with a provisional or estimated surplus of $2,648,711.01, the disparity being largely due to claims (especially for pneumoconiosis) for accidents occurring in 1939 and prior years not being finally disposed of in 1940.

Assessments and Accident Cost

The assessments and accident cost (the latter comprising compensation and medical aid and payments on account of rehabilitation but not including payments from the Silicosis Account) in Schedule 1 for each year since the commencement of the Act, and the totals to the end of 1939, are as follows:

Year	Assessments	Accident Cost
1915	$1,831,537.52	$1,091,020.43
1916	2,361,463.20	1,880,004.37
1917	2,662,383.29	2,639,560.56
1918	3,303,575.83	3,214,427.57
1919	3,840,949.07	4,474,847.38
1920	5,579,333.45	5,041,947.30
1921	4,594,452.37	4,277,034.67
1922	3,984,594.64	4,323,801.07
1923	3,771,321.09	4,977,331.82
1924	4,524,700.86	4,746,314.60
1925	4,390,854.75	4,438,802.13
1926	5,167,126.64	4,711,970.90
1927	5,465,763.17	5,082,073.61
1928	6,739,696.80	6,083,772.14
1929	7,505,431.10	6,861,274.51

Year	Assessments	Accident Cost
1930	6,396,105.73	5,925,502.17
1931	4,608,677.15	4,472,209.18
1932	3,292,309.25	3,177,386.47
1933	2,729,936.41	2,795,085.82
1934	4,192,200.35	3,904,134.13
1935	5,254,667.17	4,386,477.31
1936	6,075,763.79	4,543,669.26
1937	5,728,493.82	5,321,732.42
1938	6,303,914.88	5,331,350.47
1939	5,830,424.56	5,371,473.15
Totals	$116,135,676.89	$109,073,203.44

Pay Roll and Rates of Assessment

As assessments are in the form of a percentage of pay roll, the average rate paid by the employers in Schedule 1 can be determined by dividing the total assessments for the year by the total pay roll. The following table shows the total amount of pay roll and the total assessments and the average rate for $100 pay roll for each year:

Year	Total Pay Roll	Total Assessments	Average Rate per $100
1915	$147,603,000	$1,831,537.52	$1.24
1916	220,840,000	2,361,463.20	1.07
1917	286,903,000	2,662,383.29	.93
1918	310,450,000	3,303,575.83	1.06
1919	325,226,000	3,840,949.07	1.18
1920	464,589,000	5,579,333.45	1.20
1921	355,259,000	4,594,452.37	1.29
1922	391,888,000	3,984,594.64	1.02
1923	434,163,000	3,771,321.09	.87
1924	386,318,000	4,524,700.86	1.17
1925	390,652,000	4,390,854.75	1.04
1926	424,926,000	5,167,126.64	1.22
1927	455,016,000	5,465,763.17	1.20
1928	504,102,000	6,739,696.80	1.34
1929	559,429,000	7,505,431.10	1.34
1930	472,742,000	6,396,105.73	1.35
1931	389,740,000	4,608,677.15	1.18
1932	317,605,000	3,292,309.25	1.04
1933	288,917,000	2,729,936.41	.94
1934	346,735,000	4,192,200.35	1.21
1935	386,782,000	5,254,667.17	1.36
1936	410,792,000	6,075,763.79	1.48
1937	517,621,000	5,728,493.82	*1.11
1938	481,215,000	6,303,914.88	1.31
1939	550,040,000	5,830,424.56	1.06

*The decrease in rate for 1937 was due to refund of penalty assessments under a differential rating plan in force during 1936 and 1937 and abrogated during 1938.

Final Accident Figures, 1939

Table 16 shows the number of accidents happening in 1939 (in all industries under the Act) for which payment of compensation or medical aid was made. The total number was 53,110, of which 215 were death cases, 1,020 involved some degree of permanent disability, 21,203 temporary disability cases, and 30,672 cases which involved medical aid only. Ordinarily Schedule 2 cases involving medical aid only are not included, as in these cases medical aid is furnished directly by the employer.

The complete figures for each year since the commencement of the Act are as follows:

Year	Medical Aid Only	Temporary Disability	Permanent Disability	Death	Totals
1915	*	9,311	1,339	296	10,946
1916	*	15,993	2,232	373	18,598
1917	† 4,267	21,556	2,475	370	28,668
1918	12,822	24,089	2,624	366	39,901
1919	11,769	22,418	2,457	364	37,008
1920	15,566	27,423	2,735	373	46,097
1921	12,141	22,855	2,079	331	37,406
1922	15,913	24,461	2,082	325	42,781
1923	20,125	28,954	2,340	327	51,746
1924	20,811	25,980	2,191	315	49,297
1925	22,444	26,040	2,157	264	50,905
1926	25,330	27,150	2,421	308	55,209
1927	27,852	28,836	2,476	311	59,475
1928	31,688	30,440	2,926	414	65,468
1929	34,582	32,920	3,372	417	71,291
1930	29,189	25,613	3,147	394	58,343
1931	21,970	20,543	2,495	231	45,239
1932	17,320	15,466	1,805	167	34,758
1933	17,258	14,235	1,511	159	33,163
1934	24,552	22,020	1,790	211	48,573
1935	27,904	23,024	992	208	52,128
1936	30,086	22,954	835	272	54,147
1937	34,318	26,427	1,049	248	62,042
1938	29,559	21,501	936	276	52,272
1939	30,672	21,203	1,020	215	53,110
Totals	518,138	581,412	51,486	7,535	1,158,571

*No Medical Aid. †Half Year Only.

Accident Frequencies, Schedule 1

Comparison of accident frequencies can be made by correlating the number of accidents with the total number of full-year workers, data for this being available, however, only in Schedule 1. Eliminating accidents in which medical aid only was paid, the number of accidents for each 100 full-year workers for the different years are:

Year	Temporary Disability	Permanent Disability	Death	Totals
1915	3.63	.58	.12	4.32
1916	4.99	.79	.10	5.88
1917	5.78	.72	.07	6.57
1918	5.81	.66	.07	6.54
1919	5.81	.68	.07	6.56
1920	6.23	.67	.07	6.97
1921	6.25	.60	.05	6.90
1922	5.82	.52	.06	6.40
1923	6.02	.51	.05	6.58
1924	6.08	.54	.06	6.68
1925	5.94	.51	.05	6.50
1926	5.84	.54	.05	6.43
1927	5.94	.53	.05	6.52
1928	5.85	.58	.07	6.50
1929	5.80	.61	.06	6.47
1930	5.08	.66	.07	5.81
1931	4.28	.56	.04	4.88
1932	3.59	.45	.03	4.07
1933	3.22	.37	.03	3.62
1934	3.94	.37	.04	4.35
1935	4.18	.19	.04	4.41
1936	4.31	.16	.04	4.51
1937	4.47	.18	.04	4.69
1938	3.75	.17	.05	3.97
1939	3.33	.17	.03	3.53

On the same basis of calculation, the frequency of medical aid only cases has been: 1918, 3.66; 1919, 3.70; 1920, 4.26; 1921, 4.24; 1922, 4.67; 1923, 4.96; 1924, 5.84; 1925, 6.09; 1926, 6.37; 1927, 6.73; 1928, 7.09; 1929, 7.06; 1930, 6.84; 1931, 5.72; 1932, 5.06; 1933, 4.94; 1934, 5.65; 1935, 6.16; 1936, 6.55; 1937, 6.63; 1938, 5.97; 1939, 5.56.

Statistical Distributions

Tables 17 to 26 give statistical details regarding accidents and workmen, including, where the data is available, Schedule 2 and Crown cases as well as Schedule 1. Considerations of space preclude more extensive tabulations, but the original material is retained and still fuller information is always available concerning the accidents in any of the different classes of industry.

Month of Occurrence

Table 17 gives the month of occurrence of all accidents. The month in which the greatest number of accidents occurred during 1939 was October, with 5,536, and the month with the lowest number was April, with 3,112.

Accidents According to Locality

The distribution of accidents according to the county or district in which they occurred is contained in Table 18. York had the highest number, with 13,259, and next in order were: Temiskaming-Cochrane, with 5,946; Wentworth, with 2,905; Thunder Bay, with 2,426; and Essex with 2,398. The greatest number of deaths (35) were in Temiskaming-Cochrane; there were 27 in York; 17 in Thunder Bay; 15 in Sudbury; and 9 in each of Lincoln and Welland.

Time Loss, Age, and Wage

In Table 19 are given the average age and wage of workmen receiving compensation and the total and average time loss for each class of industry, and for each category of disability. The average age for 1939 was 36.28 years. The average wage for 1939 was $20.40, as compared with $19.84 for 1938, and $19.97 for 1937. The total time loss in temporary disability cases was 572,533 days, or an average of 27.00 days, as compared with an average of 27.07 days in 1938 and 27.25 days in 1937.

Compensation and Medical Aid Costs, Schedule 1

Table 20 contains the total and average cost of compensation and medical aid by classes in Schedule 1 for each kind of disability.

The total cost of all accidents was $5,371,473.15, of which $4,201,888.72 was for compensation (including payments for rehabilitation but not for silicosis cases) and $1,169,584.43 for medical aid (except in silicosis cases).

Of the $4,201,888.72 compensation cost, $1,812,604.85 was for temporary disability cases, $1,675,797.70 was for permanent disability cases, and $713,486.17 was for death cases.

The average cost of temporary disability cases was $141.69, of which $100.39 was for compensation and $41.30 was for medical aid, the average in 1938 being $125.74.

The average cost of permanent disability cases was $2,033.51, of which $338.81 was for temporary disability, $1,457.33 was for permanent disability, and $237.37 was for medical aid.

The average cost of death cases, where there were dependants, was $5,971.55, and the average cost of all death cases was $4,558.87, of which $28.29 was for temporary disability, $129.91 for burial expenses, (including transportation of body), $4,273.39 for death benefits, and $127.28 for medical aid.

The average cost of all cases in which compensation was paid was $271.01, of which $219.43 was for compensation, and $51.58 was for medical aid, as compared with $266.54 for 1938 and $213.65 for 1937.

The average cost of medical aid in medical aid only cases was $6.03, as compared with $5.99 in 1938 and $5.76 in 1937.

Allegiance of Injured

Table 21 shows the allegiance of injured workers who received compensation, as taken from their own reports. There were 20,359, or nearly 91 per cent. of British allegiance, and 2,079 of foreign allegiance. Among the aliens the most numerous were: Finns, Poles, Russians, (including Ukrainians), Italians, Jugo-Slavians, and Czecho-Slovaks.

Sex and Marital Condition of Injured

Table 22 gives the sex and marital condition of those receiving compensation. There were 21,775 males and 663 females. Of the males, 12,925 were married and 172 of the females. There were 390 widowers and 37 widows.

Duration of Disability

Table 23 shows the week of termination of temporary disability cases. In nearly 41 per cent. of the cases the disability terminated in from one to two weeks. In 45 cases the disability lasted for more than a year.

Nature of Injuries

The first part of Table 24 shows the number of various kinds of temporary disability injuries in the different classes of industry; the second part gives an analysis of the permanent disability cases, showing the number of injuries to the several parts of the body and the percentage of impairment of earning capacity; and the third part of the table shows the number and nature of the industrial disease cases.

In 1939, there were 6,365 cuts, lacerations, and punctures; 3,738 bruises, contusions and abrasions; 3,522 fractures; 3,703 sprains, strains, twistings and wrenchings; 1,402 crushes; 778 scalds and burns; 607 injuries to eyes; 176 dislocations; and 396 herniae.

Among the 1,020 permanent disability cases were 13 permanent total disability cases, and 355 exceeded ten per cent. of working capacity.

There were 24 industrial disease cases, of which 12 were temporary disability cases, 7 were permanent disability cases, and 5 were death cases. Included in these totals are 13 cases of silicosis and pneumoconiosis, 10 cases of lead poisoning, and 1 case of cyanide poisoning.

Causes of Accidents

Table 25 gives the prime causes of accidents in 1939. Machinery was responsible for 11,588 out of a total of 53,110, or nearly 22 per cent. of all cases, as compared with 22 per cent. in 1938, and 18 per cent. in 1937.

Death Cases

The nature of awards, the number, relationship, and residence of dependants, are shown in Table 26.

TABLE 15

FINAL FINANCIAL STATEMENT FOR 1939, SCHEDULE 1

By Classes

Class	Income and Credits	Expenditure and Charges	Balance for 1939	Balance Forward Prior Years	Balance at Dec. 31, 1939	Class
	$ c.	$ c.	$ c.	$ c.	$ c.	
1	556,577.55	640,735.65	−84,158.10	−4,601.53	−88,759.63	1
2	229,533.67	246,636.54	−17,102.87	149,047.54	131,944.67	2
3	58,492.38	56,874.52	1,617.86	12,191.12	13,808.98	3
4	154,661.54	152,417.05	2,244.49	−6,904.69	−4,660.20	4
5	1,203,471.23	**1,191,578.98	11,892.25	736,650.74	748,542.99	5
6	137,030.68	160,269.75	−23,239.07	101,634.85	78,395.78	6
7	97,750.43	95,203.74	2,546.69	105,101.32	107,648.01	7
8	142,611.30	182,755.23	−40,143.93	191,011.73	150,867.80	8
9	156,058.59	178,271.38	−22,212.79	237,186.89	214,974.10	9
10	314,901.70	321,563.02	−6,661.32	251,927.27	245,265.95	10
11	279,792.48	239,428.26	40,364.22	240,688.73	281,052.95	11
12	177,431.91	133,293.57	44,138.34	246,617.03	290,755.37	12
13	114,757.95	88,587.03	26,170.92	8,049.03	34,219.95	13
14	64,268.73	53,513.51	10,755.22	32,257.63	43,012.85	14
15	356,573.56	311,608.76	44,964.80	60,989.65	105,954.45	15
16	96,938.15	121,401.56	−24,463.41	94,889.28	70,425.87	16
17	102,473.00	116,264.01	−13,791.01	42,915.56	29,124.55	17
18	65,892.19	45,045.11	20,847.08	40,462.76	61,309.84	18
19	77,297.47	92,980.93	−15,683.46	15,733.03	49.57	19
20	358,418.57	317,303.43	41,115.14	66,549.46	107,664.60	20
21	347,671.41	318,386.87	29,284.54	233,290.61	262,575.15	21
22	243,537.51	217,338.34	26,199.17	177,494.62	203,693.79	22
23	107,015.75	136,146.77	−29,131.02	286,797.47	257,666.45	23
24	686,419.77	617,834.41	68,585.36	323,618.87	392,204.23	24
	6,129,577.52	*6,035,438.42	94,139.10	3,643,598.97	3,737,738.07	

**Includes $18,928.47 for Mine Rescue Work.

*Includes $11,562.11 for Rehabilitation.

TABLE 15—Continued

By Groups

Group and Class	Assessments and Compensation		Other Credits and Charges			
	Assessments	Compensation and Medical Aid	All Other Income	All Other Outlays	Balance Forward Prior Years	Balance at December 31, 1939
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Group 010	400,315.03	415,419.18				
“ 011	51,481.82	94,385.08				
“ 013	102,537.64	58,654.17				
Class 1	554,334.49	568,458.43	2,243.06	72,277.22	−4,601.53	−88,759.63
Group 020	119,924.13	123,707.92				
“ 022	99,744.22	91,957.47				
Class 2	219,668.35	215,665.39	9,865.32	30,971.15	149,047.54	131,944.67
Group 030	57,600.82	49,090.51				
Class 3	57,600.82	49,090.51	891.56	7,784.01	12,191.12	13,808.98
Group 040	116,528.71	77,140.92				
“ 042	37,905.85	56,365.31				
Class 4	154,434.56	133,506.23	226.98	18,910.82	−6,904.69	−4,660.20
Group 051	1,047,047.41	798,304.84				
“ 052	42,912.15	223,791.78				
“ 055	26,376.15	27,462.29				
“ 056	33,126.84	34,715.22				
“ 057	2,757.02	425.69				
Class 5	1,152,219.57	1,084,699.82	51,251.66	106,879.16	736,650.74	748,542.99
Group 060	47,146.70	47,535.97				
“ 062	5,130.82	4,488.54				
“ 063	19,743.80	25,111.70				
“ 064	19,522.93	18,002.89				
“ 065	12,397.77	33,940.37				
“ 066	26,344.23	11,652.12				
Class 6	130,286.25	140,731.59	6,744.43	19,538.16	101,634.85	78,395.78
Group 070	90,895.23	84,908.74				
Class 7	90,895.23	84,908.74	6,855.20	10,295.00	105,101.32	107,648.01
Group 080	59,623.35	71,426.31				
“ 082	56,349.80	75,532.63				
“ 083	12,935.99	13,573.08				
Class 8	128,909.14	160,532.02	13,702.16	22,223.21	191,011.73	150,867.80
Group 090	36,185.71	37,623.47				
“ 091	17,602.81	15,883.70				
“ 094	63,119.19	85,617.16				
“ 095	13,432.16	18,942.45				
Class 9	130,339.87	158,066.78	25,718.72	20,204.60	237,186.89	214,974.10

TABLE 15—Continued

By Groups

Group and Class	Assessments and Compensation		Other Credits and Charges			
	Assessments	Compensation and Medical Aid	All Other Income	All Other Outlays	Balance Forward Prior Years	Balance at December 31, 1939
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Group 100	220,465.82	213,075.76				
" 104	35,874.60	34,243.35				
" 106	40,233.86	35,902.04				
Class 10	296,574.28	283,221.15	18,327.42	38,341.87	251,927.27	245,265.95
Group 110	51,988.39	29,150.59				
" 111	191,809.88	165,279.52				
" 113	19,868.68	9,178.55				
Class 11	263,666.95	203,608.66	16,125.53	35,819.60	240,688.73	281,052.95
Group 120	44,932.55	27,725.94				
" 121	51,806.82	36,695.24				
" 122	30,162.86	30,477.44				
" 123	11,964.75	5,351.93				
" 124	22,035.91	14,368.41				
Class 12	160,902.89	114,618.96	16,529.02	18,674.61	246,617.03	290,755.37
Group 130	61,290.91	56,019.42				
" 131	30,814.75	25,541.74				
Class 13	92,105.66	81,561.16	22,652.29	7,025.87	8,049.03	34,219.95
Group 140	61,960.42	46,004.57				
Class 14	61,960.42	46,004.57	2,308.31	7,508.94	32,257.63	43,012.85
Group 150	106,179.17	75,767.75				
" 151	77,274.50	59,006.18				
" 152	27,950.34	39,974.22				
" 153	44,806.41	39,733.67				
" 154	23,143.77	8,435.41				
" 155	62,027.49	32,892.28				
" 156	7,661.80	11,545.09				
Class 15	349,043.48	267,354.60	7,530.08	44,254.16	60,989.65	105,954.45
Group 160	27,512.88	34,214.87				
" 161	11,738.78	20,895.45				
" 162	10,421.11	11,617.53				
" 163	41,040.34	43,945.24				
Class 16	90,713.11	110,673.09	6,225.04	10,728.47	94,889.28	70,425.87
Group 170	61,601.07	68,273.38				
" 171	37,464.36	35,329.92				
Class 17	99,065.43	103,603.30	3,407.57	12,660.71	42,915.56	29,124.55
Group 180	30,053.43	22,401.36				
" 181	32,493.59	14,969.70				
Class 18	62,547.02	37,371.06	3,345.17	7,674.05	40,462.76	61,309.84

TABLE 15—Continued

By Groups

Group and Class	Assessments and Compensation		Other Credits and Charges			
	Assessments	Compensation and Medical Aid	All Other Income	All Other Outlays	Balance Forward Prior Years	Balance at December 31, 1939
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Group 190	23,399.27	19,586.90				
“ 191	52,838.89	63,141.31				
Class 19	76,238.16	82,728.21	1,039.31	10,252.72	15,733.03	49.57
Group 200	228,750.42	185,113.51				
“ 201	123,649.68	108,120.95				
Class 20	352,400.10	293,234.46	6,018.47	24,068.97	66,549.46	107,664.60
Group 210	314,732.32	259,531.86				
“ 211	13,236.08	21,272.55				
Class 21	327,968.40	280,804.41	19,703.01	37,582.46	233,290.61	262,575.15
Group 220	29,703.00	29,802.03				
“ 221	35,835.77	42,031.55				
“ 222	60,482.32	40,434.00				
“ 223	105,635.85	83,163.21				
Class 22	231,656.94	195,430.79	11,880.57	21,907.55	177,494.62	203,693.79
Group 230	25,806.27	49,388.56				
“ 231	36,681.76	43,206.40				
“ 232	25,733.99	35,570.25				
Class 23	88,222.02	128,165.21	18,793.73	7,981.56	286,797.47	257,666.45
Group 240	469,708.79	397,418.75				
“ 243	24,587.62	17,167.34				
“ 244	62,791.12	47,312.31				
“ 245	52,951.69	42,043.11				
“ 246	43,917.86	40,791.77				
“ 249	4,714.34	2,700.73				
Class 24	658,671.42	547,434.01	27,748.35	70,400.40	323,618.87	392,204.23
Schedule 1	5,830,424.56	*5,371,473.15	299,152.96	**663,965.27	3,643,598.97	3,737,738.07

*Includes $11,562.11 for Rehabilitation.

**Includes $18,928.47 for Mine Rescue Work.

TABLE 16

NUMBER OF ACCIDENTS IN 1939 INVOLVING PAYMENT

Class	Medical Aid Only	Temporary Disability	Permanent Disability	Death	TOTALS
1	743	2,671	104	20	3,538
2	1,287	1,184	31	6	2,508
3	522	259	19	1	801
4	745	442	54	4	1,245
5	2,729	2,117	134	48	5,028
6	524	277	18	3	822
7	632	210	23	2	867
8	846	311	17	1	1,175
9	1,351	403	40	3	1,797
10	3,836	1,066	95	7	5,004
11	3,800	698	42	2	4,542
12	954	419	16	4	1,393
13	363	255	18	..	636
14	604	244	12	1	861
15	2,424	1,288	43	7	3,762
16	761	309	21	..	1,091
17	770	380	27	2	1,179
18	827	357	7	..	1,191
19	760	374	20	..	1,154
20	1,187	1,185	45	13	2,430
21	1,030	1,040	48	13	2,131
22	1,334	863	24	7	2,228
23	280	242	9	3	534
24	1,881	1,461	66	14	3,422
Totals	30,190	18,055	933	161	49,339
Schedule 2	1	1,447	48	29	1,525
Crown Cases	481	1,701	39	25	2,246
GRAND TOTALS	30,672	21,203	1,020	215	53,110

TABLE 17

MONTH OF OCCURRENCE OF ACCIDENTS, 1939

Month of Occurrence	Medical Aid Only	Temporary Disability	Permanent Disability	Death	TOTALS
January	2,020	1,762	72	18	3,872
February	1,954	1,608	73	18	3,653
March	2,174	1,511	75	18	3,778
April	1,900	1,135	69	8	3,112
May	2,523	1,533	70	13	4,139
June	2,779	1,719	93	20	4,611
July	2,756	1,870	94	17	4,737
August	2,950	1,802	86	17	4,855
September	2,978	1,865	79	22	4,944
October	3,155	2,236	113	32	5,536
November	3,090	2,219	107	14	5,430
December	2,393	1,943	89	18	4,443
TOTALS	30,672	21,203	1,020	215	53,110

TABLE 18

LOCALITY OF ACCIDENTS, 1939

County or District	Medical Aid Only	Temporary Disability	Permanent Disability	Death	TOTALS
Algoma	540	546	15	6	1,107
Brant	598	248	9	1	856
Bruce	106	134	9	..	249
Carleton	792	714	37	6	1,549
Dufferin	6	4	..	..	10
Dundas	21	34	1	..	56
Durham	107	65	4	1	177
Elgin	221	144	10	..	375
Essex	1,949	408	37	4	2,398
Frontenac	254	217	15	1	487
Glengarry	3	25	1	1	30
Grenville	65	51	5	1	122
Grey	245	170	13	1	429
Haldimand	78	51	3	..	132
Haliburton	57	75	1	1	134
Halton	153	136	8	1	298
Hastings	258	354	14	7	633
Huron	117	164	4	1	286
Kenora	331	476	14	4	825
Kent	435	167	7	3	612
Lambton	309	168	5	2	484
Lanark	125	120	6	..	251
Leeds	236	126	4	2	368
Lennox-Addington	29	49	3	..	81
Lincoln	737	299	23	9	1,068
Manitoulin	12	52	3	3	70
Middlesex	724	494	20	4	1,242
Muskoka	93	189	11	3	296
Nipissing	364	718	20	5	1,107
Norfolk	165	80	3	..	248
Northumberland	112	98	4	1	215
Ontario	876	183	5	1	1,065
Oxford	405	218	11	2	636
Parry Sound	107	309	13	3	432
Patricia	26	231	8	3	268
Peel	177	118	5	2	302
Perth	237	194	5	1	437
Peterborough	391	180	18	1	590
Prescott	70	80	1	..	151
Prince Edward	25	32	..	1	58
Rainy River	148	258	3	3	412
Renfrew	182	332	12	2	528
Russell	2	18	1	1	22
Simcoe	373	308	19	1	701
Stormont	496	139	18	2	655
Sudbury	489	838	48	15	1,390
Temiskaming-Cochrane	3,050	2,733	128	35	5,946
Thunder Bay	859	1,494	56	17	2,426
Victoria	72	153	10	..	235
Waterloo	1,219	602	31	8	1,860
Welland	1,236	475	23	9	1,743
Wellington	530	245	19	3	797
Wentworth	1,935	893	72	5	2,905
York	8,514	4,517	201	27	13,259
Not in Ontario	11	77	4	5	97
TOTALS	30,672	21,203	1,020	215	53,110

TABLE 19

TIME LOSS, AVERAGE AGE, AND AVERAGE WAGE, 1939

Class	TIME LOSS*						AGE	WAGE
	Temporary Disability		Permanent Disability		Death Cases		All Cases	All Cases
	Total Days	Average Days	Total Days	Average Days	Total Days	Average Days	Average Age (Years)	Average Weekly Wage
1	78,170	29.27	14,955	143.80	36	1.80	34.26	$14.23
2	26,331	22.24	4,768	153.81	0	0	35.51	19.80
3	4,970	19.19	1,013	53.32	16	16.00	34.59	16.37
4	12,740	28.82	6,249	115.72	192	48.00	36.49	15.57
5	61,493	29.05	21,369	159.47	232	4.83	33.11	31.43
6	7,976	28.79	3,736	207.56	391	130.33	36.75	17.91
7	5,258	25.04	2,123	92.30	2	1.00	38.02	23.50
8	8,485	27.28	3,881	228.29	1	1.00	38.23	19.49
9	10,058	24.96	4,478	111.95	20	6.67	36.81	20.17
10	23,231	21.79	8,701	91.59	102	14.57	35.36	19.71
11	16,541	23.70	2,879	68.55	1	.50	35.98	22.00
12	10,744	25.64	709	44.31	23	5.75	37.17	21.43
13	8,221	32.24	2,918	162.11	....	....	40.38	20.13
14	5,306	21.75	1,460	121.67	0	0	34.34	19.22
15	29,255	22.71	6,255	145.47	28	4.00	33.70	19.41
16	6,807	22.03	2,742	130.57	....	....	33.77	18.77
17	7,026	18.49	3,248	120.30	150	75.00	32.64	16.34
18	5,831	16.33	1,013	144.71	....	....	34.37	17.00
19	8,445	22.58	3,384	169.20	....	....	32.06	19.51
20	31,150	26.29	6,890	153.11	7	.54	34.63	17.75
21	29,024	27.91	9,375	195.31	0	0	35.39	20.55
22	22,076	25.58	3,890	162.08	385	55.00	35.18	16.82
23	11,811	48.81	3,210	356.67	1	.33	38.07	21.37
24	49,518	33.89	16,876	255.70	262	18.71	38.27	19.99
Schedule 2	46,516	32.15	7,162	149.21	82	2.83	42.44	23.29
Crown...	45,550	26.78	7,213	184.95	27	1.08	43.08	22.76
ALL.....	572,533	27.00	150,497	147.55	1,958	9.11	36.28	20.40

*This does not include loss of man power by permanent impairment or death.

TABLE 20

TOTAL AND AVERAGE COMPENSATION AND MEDICAL AID COSTS, 1939, SCHEDULE 1, BY CLASSES

Compensation Costs

Class	Temporary Disability Cases		Permanent Disability Cases				Death Cases						ALL CASES	
	For Temporary Disability		For Temporary Disability		For Permanent Disability		For Temporary Disability		For Death Benefits		For Funeral Expenses			
	Total	Average	Total	Average	Total	Average	Total	Average	Total	Average	Total	Average	Total	Average
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1	225,009.18	84.24	29,053.62	279.36	108,996.79	1,048.05	105.33	5.27	60,540.00	3,027.00	2,529.36	126.47	426,234.28	152.50
2	109,203.34	92.23	10,880.48	350.98	22,255.00	717.90	0	0	14,279.00	2,379.83	760.20	126.70	157,378.02	128.89
3	13,711.47	52.94	2,113.97	111.26	15,324.50	806.55	36.18	36.18	6,422.00	6,422.00	125.00	125.00	37,733.12	135.24
4	27,113.33	61.34	12,382.81	229.31	41,130.75	761.68	800.63	200.16	24,835.00	6,208.75	500.00	125.00	106,762.52	213.53
5	300,027.49	141.72	62,236.18	464.45	328,428.70	2,450.96	172.24	3.59	219,680.00	4,576.67	6,185.01	128.85	916,729.62	398.75
6	57,417.28	207.28	8,051.90	447.33	40,290.02	2,238.33	673.14	224.38	12,580.00	4,193.33	375.00	125.00	119,387.34	400.63
7	27,644.80	131.64	4,772.39	207.50	23,650.25	1,028.27	5.86	2.93	8,558.00	4,279.00	250.00	125.00	64,881.30	276.09
8	75,848.61	243.89	7,821.11	460.07	39,459.00	2,321.12	0	0	7,773.00	7,773.00	175.00	175.00	131,076.72	398.41
9	40,602.84	100.75	11,112.16	277.80	57,643.00	1,441.08	24.77	8.26	15,316.00	5,105.33	375.00	125.00	125,073.77	280.43
10	87,644.10	82.22	19,425.17	204.48	70,339.00	740.41	264.96	37.85	29,973.00	4,281.86	882.35	126.05	208,528.58	178.53
11	78,907.45	113.05	7,831.70	186.47	46,706.50	1,112.06	0	0	10,692.00	5,346.00	250.00	125.00	144,387.65	194.59
12	50,779.16	121.19	1,631.86	101.99	11,550.50	721.91	62.71	15.68	18,416.00	4,604.00	500.00	125.00	82,940.23	188.93
13	25,990.67	101.92	5,155.38	286.41	31,676.25	1,759.79	....	....	....	....	....	....	62,822.30	230.12
14	13,582.82	55.67	3,115.15	259.60	12,657.50	1,054.79	0	0	687.00	687.00	125.00	125.00	30,167.47	117.38
15	82,678.34	64.19	12,338.04	286.93	51,889.62	1,206.74	56.08	8.01	39,612.00	5,658.86	875.00	125.00	187,449.08	140.10
16	41,860.30	135.47	6,235.52	296.93	40,512.75	1,929.18	....	....	....	....	....	....	88,608.57	268.51
17	18,718.92	49.26	7,311.03	270.78	42,282.75	1,566.03	312.50	156.25	15,490.00	7,745.00	250.00	125.00	84,365.20	206.27
18	13,940.39	39.05	2,301.84	328.83	6,909.00	987.00	....	....	....	....	....	....	23,151.23	63.60
19	24,926.15	66.65	7,395.49	369.77	26,793.00	1,339.65	....	....	....	....	....	....	59,114.64	150.04
20	96,127.27	81.12	14,301.49	317.81	65,374.50	1,452.77	12.98	1.00	57,730.00	4,440.77	1,787.45	137.50	235,333.69	189.33
21	88,703.38	85.29	23,762.42	495.05	74,627.06	1,554.73	0	0	30,826.00	2,371.23	1,865.55	143.50	219,784.41	199.62
22	81,789.88	94.77	8,542.73	355.95	27,736.50	1,155.69	1,492.73	213.25	26,268.00	3,752.57	885.00	126.43	146,714.84	164.11
23	36,470.97	150.71	8,254.10	917.12	45,449.50	5,049.94	0	0	18,147.00	6,049.00	471.20	157.07	108,792.77	428.32
24	193,906.71	132.72	40,079.49	607.27	128,009.23	1,939.53	534.94	38.21	70,191.00	5,013.64	1,750.00	125.00	434,471.37	281.94
ALL...	1,812,604.85	100.39	316,106.03	338.81	1,359,691.67	1,457.33	4,555.05	28.29	688,015.00	4,273.39	20,916.12	129.91	4,201,888.72	219.43

TABLE 20—Continued

Medical Aid Costs

Class	When Medical Aid Only		In Temporary Disability Cases		In Permanent Disability Cases		In Death Cases		FOR ALL CASES	
	Total	Average	Total	Average	Total	Average	Total	Average	Total	Average
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1	4,496.25	6.05	109,194.22	40.88	27,141.03	260.97	1,392.65	69.63	142,224.15	40.20
2	7,116.85	5.53	43,185.44	36.47	7,983.08	257.52	2.00	.33	58,287.37	23.24
3	2,833.80	5.43	6,555.69	25.31	1,550.20	81.59	417.70	417.70	11,357.39	14.18
4	4,210.38	5.65	13,794.34	31.21	7,947.43	147.17	791.56	197.89	26,743.71	21.48
5	20,510.65	7.52	106,747.16	50.42	38,913.49	290.40	1,798.90	37.48	167,970.20	33.41
6	3,061.10	5.84	12,752.65	46.04	5,265.45	292.53	265.05	88.35	21,344.25	25.97
7	4,016.00	6.35	13,008.41	61.94	2,923.43	127.11	79.60	39.80	20,027.44	23.10
8	4,119.15	4.87	20,565.68	66.13	4,770.47	280.62	0	0	29,455.30	25.07
9	6,927.45	5.13	17,912.06	44.45	7,814.00	195.35	339.50	113.17	32,993.01	18.36
10	20,485.88	5.34	40,410.63	37.91	12,668.32	133.35	1,127.74	161.11	74,692.57	14.93
11	24,426.39	6.43	29,261.62	41.92	5,432.00	129.33	101.00	50.50	59,221.01	13.04
12	6,356.65	6.66	23,220.33	55.42	1,594.00	99.63	507.75	126.94	31,678.73	22.74
13	2,151.85	5.93	11,805.00	46.29	4,782.01	265.67	....	......	18,738.86	29.46
14	3,952.75	6.54	8,586.55	35.19	3,295.80	274.65	2.00	2.00	15,837.10	18.39
15	15,160.55	6.25	53,035.64	41.18	10,373.64	241.25	1,335.69	190.81	79,905.52	21.24
16	4,688.35	6.16	11,815.43	38.24	5,560.74	264.80	....	......	22,064.52	20.22
17	4,730.47	6.14	7,852.76	20.67	6,170.87	228.55	484.00	242.00	19,238.10	16.32
18	4,464.40	5.40	7,791.98	21.83	1,963.45	280.49	....	......	14,219.83	11.94
19	4,731.20	6.23	14,211.05	38.00	4,671.32	233.57	....	......	23,613.57	20.46
20	6,851.60	5.77	36,212.32	30.56	14,181.10	315.14	655.75	50.44	57,900.77	23.83
21	5,639.10	5.47	41,224.63	39.64	13,990.77	291.47	165.50	12.73	61,020.00	28.63
22	8,334.05	6.25	31,783.15	36.83	4,536.30	189.01	4,062.45	580.35	48,715.95	21.87
23	1,796.40	6.42	11,643.08	48.11	5,847.96	649.77	85.00	28.33	19,372.44	36.28
24	10,848.35	5.77	73,144.90	50.06	22,091.29	334.72	6,878.10	491.29	112,962.64	33.01
ALL....	181,909.62	6.03	745,714.72	41.30	221,468.15	237.37	20,491.94	127.28	1,169,584.43	23.71

TABLE 21

ALLEGIANCE OF INJURED WORKERS, 1939

Allegiance to	Temporary Disability	Permanent Disability	Death	TOTALS
Albania	2	...	...	2
Austria	91	7	2	100
Belgium	8	1	...	9
Brazil	10	1	...	11
Bulgaria	2	1	...	3
China	4	...	...	4
Czecho-Slovakia	133	3	...	136
Denmark	15	...	...	15
Esthonia	2	1	...	3
Finland	348	14	5	367
France	5	1	...	6
Germany	26	4	...	30
Great Britain	19,241	931	187	20,359
Greece	2	...	...	2
Holland	2	...	...	2
Italy	146	3	...	149
Japan	1	...	...	1
Jugo-Slavia	132	8	1	141
Latvia	1	...	...	1
Lithuania	11	...	...	11
Norway	36	2	...	38
Persia	1	...	...	1
Poland	317	15	3	335
Roumania	40	2	2	44
Russia	55	5	...	60
Spain	1	...	...	1
Sweden	86	4	1	91
Turkey	...	1	...	1
Ukraine	256	4	2	262
United States	39	4	1	44
Not Specified	190	8	11	209
TOTALS	21,203	1,020	215	22,438

TABLE 22

SEX AND MARITAL CONDITION OF INJURED WORKERS, 1939

Sex and Marital Condition	Temporary Disability	Permanent Disability	Death	TOTALS
Males—				
Married	12,130	659	136	12,925
Single	7,631	293	18	7,942
Widowed	357	29	4	390
Not Specified	443	18	57	518
Totals	20,561	999	215	21,775
Females—				
Married	167	5	...	172
Single	435	14	...	449
Widowed	35	2	...	37
Not Specified	5	...	...	5
Totals	642	21	...	663
GRAND TOTALS	21,203	1,020	215	22,438

TABLE 23

WEEK OF TERMINATION OF TEMPORARY DISABILITIES, 1939

In	8,730	cases	the	disability	terminated	in	1	to	2	weeks	after	the	accident
“	3,758	“	“	“	“	“	2	“	3	“	“	“	“
“	2,375	“	“	“	“	“	3	“	4	“	“	“	“
“	1,558	“	“	“	“	“	4	“	5	“	“	“	“
“	1,126	“	“	“	“	“	5	“	6	“	“	“	“
“	735	“	“	“	“	“	6	“	7	“	“	“	“
“	540	“	“	“	“	“	7	“	8	“	“	“	“
“	390	“	“	“	“	“	8	“	9	“	“	“	“
“	326	“	“	“	“	“	9	“	10	“	“	“	“
“	226	“	“	“	“	“	10	“	11	“	“	“	“
“	198	“	“	“	“	“	11	“	12	“	“	“	“
“	164	“	“	“	“	“	12	“	13	“	“	“	“
“	114	“	“	“	“	“	13	“	14	“	“	“	“
“	92	“	“	“	“	“	14	“	15	“	“	“	“
“	86	“	“	“	“	“	15	“	16	“	“	“	“
“	54	“	“	“	“	“	16	“	17	“	“	“	“
“	69	“	“	“	“	“	17	“	18	“	“	“	“
“	57	“	“	“	“	“	18	“	19	“	“	“	“
“	43	“	“	“	“	“	19	“	20	“	“	“	“
“	50	“	“	“	“	“	20	“	21	“	“	“	“
“	44	“	“	“	“	“	21	“	22	“	“	“	“
“	37	“	“	“	“	“	22	“	23	“	“	“	“
“	40	“	“	“	“	“	23	“	24	“	“	“	“
“	24	“	“	“	“	“	24	“	25	“	“	“	“
“	21	“	“	“	“	“	25	“	26	“	“	“	“
“	30	“	“	“	“	“	26	“	27	“	“	“	“
“	20	“	“	“	“	“	27	“	28	“	“	“	“
“	15	“	“	“	“	“	28	“	29	“	“	“	“
“	13	“	“	“	“	“	29	“	30	“	“	“	“
“	23	“	“	“	“	“	30	“	31	“	“	“	“
“	24	“	“	“	“	“	31	“	32	“	“	“	“
“	15	“	“	“	“	“	32	“	33	“	“	“	“
“	10	“	“	“	“	“	33	“	34	“	“	“	“
“	12	“	“	“	“	“	34	“	35	“	“	“	“
“	10	“	“	“	“	“	35	“	36	“	“	“	“
“	129	“	“	“	“	“	36	“	52	“	“	“	“
“	45	“	“	“	did not terminate in				52	“	“	“	“
	21,203	TOTAL CASES											

TABLE 24

NATURE OF INJURIES, 1939

Temporary Disability Cases

Class	Bruises, Contusions, and Abrasions	Cuts, Lacerations, and Punctures	Fractures	Crushes	Sprains, Strains, Twistings, and Wrenchings	Scalds and Burns	Eye Injuries	Herniæ	Internal Injuries	Concussions (brain, spine, etc.)	Dislocations	All Other Injuries	Industrial Diseases (Schedule 3)	TOTALS
1	585	939	412	136	427	17	55	32	3	9	23	35	..	2,671
2	205	403	175	65	222	20	39	29	2	..	6	18	..	1,184
3	39	142	16	20	27	2	5	2	..	..	3	3	..	259
4	68	200	66	33	45	11	7	4	..	..	1	7	..	442
5	403	558	426	127	331	50	119	44	1	5	21	29	3	2,117
6	49	73	54	27	42	9	13	7	..	..	1	2	..	277
7	49	35	47	24	20	17	5	10	..	..	1	2	..	210
8	47	73	57	38	24	57	11	1	..	..	..	2	1	311
9	55	110	92	43	56	23	10	9	..	1	2	2	..	403
10	128	395	161	93	119	70	34	32	..	2	6	23	3	1,066
11	113	232	102	32	88	50	34	29	..	3	3	10	2	698
12	75	95	76	29	73	28	11	12	2	4	3	11	..	419
13	47	62	49	12	66	6	3	6	..	1	1	2	..	255
14	31	116	29	7	38	12	1	6	..	..	1	3	..	244
15	198	418	192	71	254	74	14	21	2	11	14	19	..	1,288
16	48	100	42	25	47	19	2	10	1	2	2	11	..	309
17	53	141	43	26	56	25	12	5	..	2	1	16	..	380
18	37	194	16	18	51	23	5	2	..	1	1	8	1	357
19	44	142	52	42	59	8	7	10	..	1	2	7	..	374
20	199	265	223	99	298	10	25	21	3	8	19	15	..	1,185
21	225	269	144	73	197	40	34	18	1	3	6	30	..	1,040
22	122	310	128	48	162	29	18	14	..	6	4	20	2	863
23	54	52	49	22	39	7	4	5	..	2	3	5	..	242
24	231	429	264	76	247	79	60	10	4	9	20	32	..	1,461
Schedule 2	282	277	264	101	334	46	44	28	1	14	14	42	..	1,447
Crown....	351	337	343	115	381	46	35	29	..	9	18	37	..	1,701
ALL......	3,738	6,365	3,522	1,402	3,703	778	607	396	20	93	176	391	12	21,203

TABLE 24—Continued

Permanent Disability Cases

Part of Body Affected	Per Cent. Impairment of Total Earning Capacity											
	0.0–9.9	10.0–19.9	20.0–29.9	30.0–39.9	40.0–49.9	50.0–59.9	60.0–69.9	70.0–79.9	80.0–89.9	90.0–99.9	100	TOTALS
Foot	34	8	3	2	1	..	..	..	..	..	..	48
Leg	29	18	15	4	7	7	6	..	..	..	2	88
Head	1	1	1	..	..	1	1	..	..	..	..	5
Face	...	...	..	..	..	..	..	..	..	..	..	...
Eye	36	74	5	..	1	..	..	..	1	..	..	117
Ear	3	2	..	..	..	..	..	..	..	..	..	5
Arm	20	8	9	5	5	5	6	3	..	..	..	61
Hand	21	11	5	7	12	..	2	..	..	..	..	58
Thumb and two fingers	2	2	2	..	..	..	1	..	..	..	..	7
Thumb and one finger	8	1	1	1	1	..	..	..	..	..	..	12
Thumb	107	6	..	1	..	..	..	..	..	..	..	114
One finger	306	6	2	..	..	..	..	..	..	..	..	314
Two fingers	71	10	1	1	..	..	..	..	..	..	..	83
Three fingers	20	11	4	1	1	1	..	..	..	..	..	38
Four fingers	2	4	6	1	..	..	..	..	..	..	..	13
Internal organs	...	...	..	..	..	..	..	..	..	..	..	...
Industrial diseases	...	...	1	1	..	..	..	..	..	..	5	7
All other	5	3	15	5	1	8	6	1	..	..	6	50
TOTALS	665	165	70	29	29	22	22	4	1	..	13	1,020

Industrial Diseases

Description of Disease	Medical Aid Only	Temporary Disability	Permanent Disability	Death	TOTALS
Cyanide Poisoning	..	1	..	..	1
Lead poisoning or its sequelae	..	10	..	..	10
Silicosis, pneumoconiosis, phthisis	..	1	7	5	13
TOTALS	..	12	7	5	24

TABLE 25

CAUSES OF ACCIDENTS, 1939

Cause	Medical Aid Only	Temp. Dis.	Perm. Dis.	Death	TOTALS
A. Prime Movers:					
1. Motors, engines, fans, pumps, and automatic stokers	253	101	8	..	362
2. Shafting, couplings, collars, set-screws, and keys	32	4	1	..	37
3. Belts, lines, pulleys, chains, and sprockets	247	176	16	1	440
4. Gears, cogs, cams, and friction wheels	9	9	5	..	23
Totals	541	290	30	1	862
B. Working Machines:					
1. Brick-making machines	2	4	..	..	6
2. Glass-making machines	25	6	3	..	34
3. Pottery-making machines	...	1	..	..	1
4. Stone-working machines	3	3	..	..	6
5. Mine-drills, etc.	342	301	23	1	667
6. Contracting machines	167	130	16	1	314
7. Metal-working machines, n.e.s.	331	82	21	..	434
8. Abrasive wheels	1,700	131	21	..	1,852
9. Drilling and reaming machines	535	106	8	..	649
10. Lathes	586	64	6	..	656
11. Milling Machines	132	25	7	..	164
12. Pneumatic tools	256	45	6	..	307
13. Presses—cutting, shaping, forming	353	162	64	..	579
14. Shearing and punching machines	107	61	12	..	180
15. Wire-working machines	52	16	1	..	69
16. Welding and heat-cutting machines	331	49	..	..	380
17. Wood-working machines, n.e.s.	98	44	5	..	147
18. Planers, jointers, and edgers	120	71	31	1	223
19. Saws	344	301	86	1	732
20. Shapers, moulders, and headers	109	45	10	..	164
21. Pulp and paper-making machines, n.e.s.	14	10	1	..	25
22. Barkers	7	8	1	..	16
23. In-running rolls	53	38	3	..	94
24. Paper-products and printing machines, n.e.s.	41	23	2	..	66
25. Cutting machines	61	31	4	..	96
26. Presses—printing and embossing	104	77	8	..	189
27. Stayers	55	50	2	..	107
28. Tanning machines	2	...	..	..	2
29. Leather-working machines	111	70	14	..	195
30. Rubber-working machines	4	16	3	..	23
31. Textile machines, n.e.s.	117	53	11	..	181
32. Carders	11	6	..	..	17
33. Pickers	11	9	2	..	22
34. Sewers	251	97	1	..	349
35. Finishers and launderers	68	34	3	..	105
36. Knitters	27	19	1	..	47
37. Cutters	63	22	1	..	86
38. Weavers	43	36	1	..	80
39. Spinners	23	12	2	..	37
40. Food-products, laboratory, and tobacco machines, n.e.s.	157	134	18	..	309
41. Baking machines	23	32	4	..	59
42. Bottling machines	77	36	1	..	114
43. Office machines	21	3	..	..	24
Totals	6,937	2,463	403	4	9,807

TABLE 25—Continued

Cause	Medical Aid Only	Temp. Dis.	Perm. Dis.	Death	TOTALS
C. Hoisting Apparatus:					
1. Elevators	51	37	4	2	94
2. Cranes	92	71	8	1	172
3. Conveyors	132	97	7	1	237
4. Mine cages	33	47	9	3	92
5. Other hoisting apparatus	156	152	15	1	324
Totals	464	404	43	8	919
D. Dangerous Substances:					
1. Steam escapes	73	37	. .	1	111
2. Explosives	77	111	22	10	220
3. Electric currents	52	40	3	9	104
4. Conflagrations	. . .	. . .	. .	. .	. . .
5. Hot and inflammable substances and flames	575	459	2	6	1,042
6. Corrosive substances	264	91	5	. .	360
7. Poisonous and deleterious substances	122	148	8	5	283
Totals	1,163	886	40	31	2,120
E. Stepping On or Striking Against Objects:					
1. Stepping on objects	509	291	1	. .	801
2. Striking against objects	1,525	524	9	5	2,063
Totals	2,034	815	10	5	2,864
F. Falling Objects:					
1. From collapse of structure	. . .	2	. .	. .	2
2. From elevations	613	335	7	1	956
3. In mines and quarries	406	509	15	8	938
4. Other	405	781	17	13	1,216
Totals	1,424	1,627	39	22	3,112
G. Handling Objects:					
1. Heavy objects—loading, carrying, rolling, or piling	4,196	3,999	81	4	8,280
2. Sharp objects	1,151	331	6	1	1,489
3. Hand trucks, carts, and wheel-barrows	546	407	5	. .	958
Totals	5,893	4,737	92	5	10,727
H. Tools:	2,971	2,137	86	. .	5,194
I. Runaways and Animals:					
1. Runaways	13	34	. .	. .	47
2. Animals	296	180	. .	. .	476
Totals	309	214	. .	. .	523

TABLE 25—Continued

Cause	Medical Aid Only	Temp. Dis.	Perm. Dis.	Death	TOTALS
J. Moving Trains, Vehicles, Etc.:					
1. Train wrecks	3	12	2	1	18
2. Caught in switch or hit fixed objects	3	32	1	..	36
3. Struck by or caught between cars and engines	3	37	2	15	57
4. Other causes, cars and engines	104	519	20	4	647
5. Mine and quarry cars	187	237	8	1	433
6. Automobiles and other power vehicles	1,667	1,032	34	26	2,759
7. Animal-drawn vehicles	154	427	6	..	587
8. All other vehicles, including boats	91	192	9	2	294
Totals	2,212	2,488	82	49	4,831
K. Falls of Persons:					
1. From elevations	340	573	26	17	956
2. From ladders	237	302	16	5	560
3. Into excavations, pits, and shafts	244	376	11	14	645
4. On level	1,684	2,117	32	..	3,833
5. Into elevator shafts	2	3	2	1	8
6. From vehicles	171	253	7	7	438
7. From collapse of support	105	250	26	2	383
8. On steps	297	310	6	5	618
9. From tool slipping	157	181	1	..	339
Totals	3,237	4,365	127	51	7,780
L. Flying Fragments	2,960	422	57	1	3,440
M. All Other Causes:					
1. Doors, gates, windows, and covers	375	162	5	1	543
2. Inhalation of gases, fumes, etc.	38	19	..	7	64
3. Immersion in water and drenchings	...	1	..	19	20
4. Exposure to elements	28	69	2	1	100
5. Violence	38	34	..	..	72
6. Cave-ins	18	53	4	10	85
7. Not elsewhere specified	30	17	..	..	47
Totals	527	355	11	38	931
GRAND TOTALS	30,672	21,203	1,020	215	53,110

TABLE 26

DEATH CASES, 1939

Number of Cases

Pension Awards	138
Lump Sums	28
Burial Expenses and Medical Aid only	34
Burial Expenses only	15
TOTAL	215

Number, Relationship, and Residence of Dependants

Relationship of Dependants	Resident in Ontario	Not Resident in Ontario	TOTALS
Widow	129	4	133
Child	166	3	169
Mother	20	5	25
Father	16	5	21
Other	2	..	2
TOTALS	333	17	350

APPENDIX

SUMMARY OF COMPENSATION AND MEDICAL AID AWARDED

From Commencement of Act to End of 1940

Compensation Awarded

Schedule 1 Industries	$ 92,824,530.95	
Schedule 2 (including Crown Cases)	27,680,965.02	
Total Compensation	$120,505,495.97	

Medical Aid Paid

Schedule 1 Industries	$ 21,730,937.12	
Schedule 2 (including Crown Cases)—Furnished by Employer		
Total Benefits Awarded by Board		$142,236,433.09

SUMMARY OF ACCIDENTS REPORTED

From Commencement of Act to End of 1940

Total Number of Accidents Reported	1,454,793

FINANCIAL STATEMENT FOR SCHEDULE 1 INDUSTRIES

From Commencement of Act to End of 1940

Income and Credits	
Net Assessments received	$122,251,430.24
Received under Section 8	196,726.17
Received under Section 84 (4)	53,159.45
Received under Section 107	163,982.69
Received under Section 114	7,300.92
Received from D.P. & N.H.	297,630.69
Received for Accidents to Blind Workmen	1,230.86
Received from A.C.R.	58,684.93
Interest received	3,296,266.88
Credited from Disaster Reserve	376,697.09
Credited from Pension Fund	1,027,214.62
Assessments estimated to be due on adjustment of 1940 pay rolls (see Table 1)	294,300.00
	$128,024,624.54

Expenditure and Charges	
Compensation paid other than pensions, compensation deferred, and under Sections 22 and 36	$ 48,238,710.38
Pensions awarded	41,528,095.66
Deferred Compensation awarded	987,044.32
Paid under Section 22	996.40
Paid under former Section 36	41.75
Paid under Section 8	16,314.30
Medical Aid paid	21,543,780.65
Administration Expenses paid	5,663,376.65
Paid to Safety Associations	2,928,371.96
Rehabilitation paid	86,960.97
Paid for Mine Rescue Work	193,638.86
Paid for Occupational Therapy	25,916.27
Paid for Pneumoconiosis Examinations	66.14
Pneumoconiosis estimated outstanding	1,420,064.29
Compensation and Medical Aid estimated outstanding	3,024,605.01
Transferred to Disaster Reserve	353,259.80
Balance at Credit of Classes (see Table 1)	2,013,381.13
	$128,024,624.54

SUMMARY OF PENSION FUND, SCHEDULE 1

From Commencement of Act to End of 1940

Pension awards	$41,393,471.40
Amount transferred from Disaster Reserve	134,624.26
Amount transferred from Silicosis Account	1,088,831.82
Interest added	17,888,656.22
	$60,505,583.70
Pension payments	33,290,994.71
	$27,214,588.99
Amount transferred to Current Fund	1,027,214.62
Balance December 31, 1940	$26,187,374.37

SUMMARY OF COMPENSATION DEFERRED, SCHEDULE 1

From Commencement of Act to End of 1940

Compensation Deferred	$ 990,529.49
Interest added	105,034.80
	$ 1,095,564.29
Paid on Compensation Deferred—Principal and Interest	1,015,591.05
Balance December 31, 1940	$ 79,973.24

SUMMARY OF DISASTER RESERVE, SCHEDULE 1

From Commencement of Act to End of 1940

Amount set aside	$ 353,259.80
Interest added	263,219.56
	$ 616,479.36
Transferred to Classes	376,697.09
Balance December 31, 1940	$ 239,782.27

SUMMARY OF RESERVE FOR DEPRECIATION OF SECURITIES, SCHEDULE 1

From Commencement of Act to End of 1940

Profit on sale of investments	$ 713,987.52
Interest	617,402.14
	$ 1,331,389.66
Transferred to Investment Account	433,680.71
Balance December 31, 1940	$ 897,708.95

SUMMARY OF SILICOSIS ACCOUNT, SCHEDULE 1

From Commencement of Act to End of 1940

Assessments collected		$ 5,440,698.10
Accountable Warrants to Members of Staff		600.00
Interest added		216,607.57
		$ 5,657,905.67
Payments made:		
Compensation	$ 1,982,364.42	
Medical Aid	187,156.47	
Salaries and Expenses	644,257.25	
Handling Claims and Supervision	145,765.73	
Accountable Warrants to Members of Staff	600.00	
Salaries and Expenses of Referee Board	45,614.79	
		3,005,758.66
Balance December 31, 1940		$ 2,652,147.01

SUMMARY OF INVESTMENTS, SCHEDULE 1

From Commencement of Act to End of 1940

Invested		$64,892,825.34
Less principal returned	$28,754,482.66	
Less amount written off for depreciation	433,680.71	
		29,188,163.37
Book Value of Investments, December 31, 1940		$35,704,661.97

SUMMARY OF SCHEDULE 2 FUNDS

From Commencement of Act to End of 1940

Received from employers		$22,501,607.25
Interest received		3,883,642.45
Profit on sale of investments		199,336.41
		$26,584,586.11
Payments made	$21,957,797.13	
Deposits returned to employers	1,130,534.33	
		23,088,331.46
Cash in Bank and Invested, December 31, 1940		$ 3,496,254.65

SUMMARY OF INVESTMENTS, SCHEDULE 2

From Commencement of Act to End of 1940

Invested	$ 5,512,073.25
Less principal returned	2,031,745.54
Book Value of Investments, December 31, 1940	$ 3,480,327.71

SUMMARY OF RESERVE FOR DEPRECIATION OF SECURITIES, SCHEDULE 2

From Commencement of Act to End of 1940

Profit on sale of investments	$ 199,336.41
Interest added	7,540.99
Balance December 31, 1940	$ 206,877.40

SUMMARY OF RECEIPTS AND PAYMENTS

From Commencement of Act to End of 1940

Schedule 1

Receipts

Assessments, Including additional assessments, added percentage, and interest for under or over estimate,	$123,242,488.29	
Less Merit Rating: (Charges..$1,067,195.43 Refunds... 2,058,253.48)		
	−991,058.05	
		$122,251,430.24
Section 8		196,726.17
Section 84 (4)		53,159.45
Section 107		163,982.69
Section 114		7,300.92
D.P. & N.H.		297,630.69
From Province of Ontario for Blind Workmen		1,230.86
Accident Cost Refunds		58,684.93
Silicosis Assessments		5,440,698.10
From Province of Ontario under Section 78, grants for administration expenses		655,500.00
Interest from investments and bank deposits		22,387,187.17
From Schedule 2 and Crown Employers for share of administrative expense		1,046,308.66
Principal returned from investments		28,754,482.66
Profit on sales of investments		713,987.52
For special statistical and other services		114,081.89
Rehabilitation Clinic		92,061.81
Refund of administration expenses, result of special investigation		782.35
		$182,235,236.11

Payments

Compensation payments, other than pensions or deferred payments or under Sections 22 or 36	$48,238,710.38
Pensions	33,290,994.71
Deferred Payments, principal and interest	1,015,591.05
Under Section 22	996.40
Under former Section 36	41.75
Under Section 8	16,314.30
Medical Aid	21,543,780.65
Rehabilitation	86,960.97
Administration Expenses	7,684,259.11
Safety Associations	2,928,371.96
Investments	64,892,825.34
Silicosis	1,767,675.94
Mine Rescue Work	184,951.65
Rehabilitation Clinic	90,616.49
Occupational Therapy	23,751.33
Pneumoconiosis Examinations	66.14
Overpayment of Administration Expenses from Schedule 2 Employers (refunded in 1926)	.12
Cash in Banks, December 31, 1940	469,327.82
	$182,235,236.11

Schedule 2

Receipts

From Employers for Deposits under Section 28 and for Claimants' Moneys	$7,242,549.90
From Employers for Deposits under Section 32	15,259,057.35
Interest from Investments and Bank Deposits	3,883,642.45
Principal returned from Investments	2,031,745.54
Profit on Sale of Investments.	199,336.41
	$28,616,331.65

Payments

To Claimants out of Deposits under Section 28 and Claimants' Moneys	$ 6,899,328.94
Returned to Employers out of Deposits under Section 28	970,033.00
Paid out of Deposits under Section 32:	
Compensation and Medical Aid	15,054,775.32
Rehabilitation	3,692.87
Returned to Employers	154,731.83
To Schedule 1 for Administration Expenses	5,769.50
Investments	5,512,073.25
Cash in Bank, December 31, 1940	15,926.94
	$28,616,331.65

AUDITOR'S CERTIFICATE

13th March, 1941.

THE WORKMEN'S COMPENSATION BOARD OF ONTARIO,
Toronto, Ont.

Dear Sirs:

I have completed a continuous audit of the books of the Board for the year ended 31st December, 1940, and have obtained all the information and explanations I have required.

In my opinion the attached statements of Receipts and Payments, Table 6, Schedules No.1 and No. 2, truly and fairly set forth the cash transactions of the Board for the year ended 31st December, 1940.

Bank balances at the close of the period have been verified by direct communication with the Board's bankers.

The amortized book value of the investments held by the Board at 31st December, 1940, was $39,184,989.68 and I confirmed by a physical examination the securities representing these investments as at that date. Debenture principal and coupons, due and unpaid at 31st December, 1940, amounted to $115,251.28.

Respectfully submitted,

ALEXANDER G. CALDER,
Chartered Accountant.

TABLE 6

STATEMENT OF RECEIPTS AND PAYMENTS DURING 1940

Schedule 1

Receipts		
Cash in Banks 1st Jan., 1940:		
Canadian Bank of Commerce	$ 747.80	
Dominion Bank	488,189.50	
Royal Bank of Canada	23,595.37	$ 512,532.67
Net Assessments, Penalties, etc.:		
Gross Assessments	$6,325,889.86	
Under Section 8	24,507.71	
Under Section 107	2,329.57	
Under Section 114	640.65	
From D.P. & N.H.	16,529.27	
From Province of Ontario for Blind Workmen	323.67	
From Accident Cost Refunds	2,000.99	
	$6,372,221.72	
Less:		
Assessments and Penalties Refunded	139,579.79	6,232,641.93
Silicosis Assessments		555,548.76
Interest:		
Investments	$1,535,744.72	
Exchange Premiums	39,799.90	
Bank and Short Date Deposits	3,385.74	1,578,930.36
Investments:		
Principal Returned	$560,425.98	
Profit on Sale of Investment Securities	11,872.38	572,298.36
From Schedule 2 and Crown Employers:		
For Administration Expenses, account of prior years, paid out of Schedule 1 in 1939		35,328.87
Special Statistical and other services		8,150.00
Rehabilitation Clinic:		
Refunds from Medical Aid	$ 15,567.48	
Refunds from Schedule 2 Employers	141.00	15,708.48
		$9,511,139.43

Payments		
Compensation other than Pensions and Deferred Compensation		$2,185,412.82
Pensions		2,373,523.36
Deferred Compensation		56,644.23
Rehabilitation		12,426.02
Medical Aid		1,388,525.31
Silicosis		221,616.40
Under Section 8		2,688.91
Mine Rescue Work		15,025.75
Administration Expense		545,746.72
Safety Associations		241,760.00
Rehabilitation Clinic Expenses		22,306.46
Occupational Therapy		9,619.96
		$7,075,295.94
Investments:		
Securities for permanent investment		1,966,515.67
Cash in Banks, 31st Dec., 1940:		
Canadian Bank of Commerce	$ 23,132.41	
Dominion Bank	396,123.40	
Royal Bank of Canada	50,072.01	469,327.82
		$9,511,139.43

Schedule 2

Receipts

Cash in Bank, 1st Jan., 1940:		
Imperial Bank of Canada		$ 76,266.73
Employers' Deposits under Section 28		127,102.95
Employers' Deposits under Section 32		812,239.24
Employers' Deposits of Claimants' Monies		2,295.15
Interest:		
Investments	$177,633.00	
Exchange Premiums	2,009.42	
Bank Deposits	198.80	179,841.22
Investments:		
Principal Returned		25,876.35
		$1,223,621.64

Payments

Claimants out of Deposits under Section 28		$334,374.10
Deposits Returned to Employers under Section 28		18,043.72
Claimants out of Claimants' Monies		4,160.50
Paid out of Deposits under Section 32:		
Compensation	$765,909.85	
Medical Aid	46,678.32	
Rehabilitation	193.95	812,782.12
Deposits Returned to Employers under Section 32		6,326.40
Investments		32,007.86
Cash in Bank, 31st Dec., 1940:		
Imperial Bank of Canada		15,926.94
		$1,223,621.64

Ontario Department of Agriculture

REPORT

OF THE

Ontario Veterinary College

1939

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO
SESSIONAL PAPER No. 29, 1941

ONTARIO

TORONTO
PRINTED AND PUBLISHED BY
T. E. BOWMAN, PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
1940

REPORT OF THE

Ontario Veterinary College

TO THE HONOURABLE P. M. DEWAN,
Minister of Agriculture.

Sir:—

I have the honour to present herewith the following report of the Ontario Veterinary College for the year extending from April 1st, 1939, to March 31st, 1940.

Convocation

At the Convocation of the University of Toronto, held on May 12th, 1939, the Chancellor, The Rt. Hon. Sir William Mulock, P.C., K.C.M.G., M.A., LL.D., conferred the degree of Bachelor of Veterinary Science (B.V.Sc.) on sixty-five graduates. The Hon. P. M. Dewan, Minister of Agriculture, addressed the graduating class.

Commencement

The Annual Commencement and Presentation of Prizes took place on November 22nd, 1939, in the Assembly Hall of the College. The Hon. P. M. Dewan, Minister of Agriculture, in his address to the students, emphasized the value of education in the development of self-control and good character. A. E. Cameron, V.S., M.C., Veterinary Director General, also spoke briefly on the importance of the veterinary profession in public service. The prizes won by students were presented by R. W. Gladstone, M.P. for South Wellington. He congratulated the prize winners and urged them to prove worthy of their awards and to be helpful to others.

Student Enrolment

A total of 261 students were in attendance. As in former years, students were enrolled from all the Provinces of Canada. The requirements for entrance and graduation have been raised in order to regulate the attendance more effectively.

The Teaching and Executive Staff

The members of the staff of the different departments are as follows:

C. D. McGILVRAY, M.D.V., D.V.Sc., Principal: *Contagious Diseases, Sanitary Science.*

W. J. R. FOWLER, B.V.Sc., D.V.M.: *Anatomy and Surgery.*

H. E. BATT, V.S., B.V.Sc.: *Zoology, Histology, Meat Inspection.*

R. A. McINTOSH, M.D.V., B.V.Sc.: *Diseases of Cattle, Obstetrics, Therapeutics.*

F. W. SCHOFIELD, B.V.Sc., D.V.Sc.: *Pathology, Bacteriology.*

L. Stevenson, B.V.Sc., M.S.: *Physiology.*
A. A. Kingscote, B.V.Sc., D.V.Sc.: *Parasitology, Pathology.*
J. S. Glover, B.V.Sc.: *Poultry Diseases, Milk Hygiene.*
V. R. Brown, B.V.Sc.: *Anatomy, Hygiene.*
G. Cairns, B.V.Sc., M.R.C.V.S.: *Sporadic Diseases, Hygiene.*
T. L. Jones, B.V.Sc., M.Sc.: *Bacteriology.*
A. F. Bain, B.V.Sc.: *Bacteriology.*
R. T. Ingle, B.V.Sc., M.Sc.: *Pathology.*
F. J. Cote, B.V.Sc.: *Canine and Feline Diseases.*
J. K. Blair: *Jurisprudence.*
A. L. Shepherd: *Executive Clerk.*
Miss E. Sleeman: *Secretary.*
Miss L. Nott: *Librarian.*
Miss M. Urquhart: *Stenographer.*

Courses of Study and Instruction

The prescribed course of study for the degree of Bachelor of Veterinary Science (B.V.Sc.) extends over a period of five years. In the case of candidates submitting Pass Matriculation certificates, they may be admitted to the first year, while candidates submitting Honour Matriculation certificates, or who have completed one or more years in a recognized college or university, may be admitted to the second year of the five-year course. A detailed outline of the entrance requirements and the course of studies is contained in the college calendar, which is available to those interested. In addition to the regular undergraduate course outlined in the calendar, special short courses were provided as follows:

Special Public Health Course

During the month of May an arrangement was made whereby the staff of the Department of Health provided a course in Public Health Work for graduate veterinaries. There were 65 in attendance and the subjects of instruction were as follows:

Public Health Administration.
Principles of Sanitation.
Communicable Diseases.
Food-Borne Infections.
Interpretation of Laboratory Findings.
Bacteriology of Enteric-Infections.
Human Parasitic Infections.
Inspection of Water Supplies.
Inspection of Sewage Disposal.
Inspection of Restaurants and Bottling Plants.
Industrial Hazards in Meat Packing Industry.
Ventilation and Fumigation.
Dairy Sanitation.

Special Course for Fur Breeders

During the month of June a course was provided for those engaged in the rearing of fur-bearing animals. About 110 fur breeders attended. The course was arranged in co-operation with the Ontario Fur Breeders' Association and comprised lectures and demonstrations on the following subjects:

Mink Mating and Its Preparation.
Mink Raising Problems.
Problems in Making Good Pelts.
Mink Pelts Demonstration.
Research Work with Fur Animals.
Food Poisoning Investigations.
Projects at Government Illustration Stations.
Principles of Fox Breeding.
Fox Raising Problems.
Controlling Disease in Fur-Bearing Animals.

Special Course for Veterinarians

During the month of July a special course for graduate veterinarians was provided in co-operation with the Ontario Veterinary Association. There were approximately 125 in attendance and the programme comprised the following topics:

Chemical Tests for Urinalysis.
Encephalomyelitis of Horses.
Plans for the Control of Bang's Disease.
Treatment and Control of Parasitic Diseases.
Modern Methods Employed in the Sanitary Control of Dairy Products.
Enteritis of Cats.
Kennel Management and the Control of Distemper.
Diseases of Swine.
Regional Anatomy for Intravenous Medication.
The Relationship of Faulty Nutrition to Disease.

During the months of December and January a series of lectures and demonstrations were given to students attending the Farmers' Short Course and Dairy Course at the Ontario Agricultural College. The course embraced the following topics:

Prevention and Control of Animal Insect Pests.
Mineral Deficiencies Affecting Farm Animals.
Preventable Diseases of Horses and Cattle.
Preventable Diseases of Sheep and Swine.
Care and Management of Breeding Animals.
Care and Management of the Young at Birth.
Cleaning and Disinfection of Stables.
Examination of Horses for Soundness.

Research and Investigation

During the year considerable time was devoted to research and investigational work. Some of the diseases receiving attention are briefly summarized herewith and detailed reports relating thereto are appended separately.

Malignant Equine Influenza: Two outbreaks of influenza affecting horses were found to be of unusual interest on account of their malignant character. A report of these is appended.

Isolation of the Virus of Equine Encephalomyelitis by Blood Culture: A report is submitted describing a method for the isolation of the Eastern strain of encephalomyelitis virus. The chief advantages of the method are that the virus may be isolated during the course of the disease, hence the isolation and diagnosis may be made much earlier than when post-mortem methods are employed.

Fatalities Among Piglets Due to Overdoses of Iron: Quite frequently losses have been reported among suckling pigs following the administration of reduced iron as a preventive against anemia. In all of the cases investigated, the amount of iron had been far in excess of the prescribed dose. Experiments made indicate that even a fairly large dose of reduced iron does not have a fatal effect upon perfectly healthy pigs. However, pigs with poor resistance or which have a sub-clinical infection may succumb rapidly to an overdose.

Prevailing Diseases of Swine: During the year, more especially throughout the fall and winter months, diseases of swine were particularly stressed. The diseases which most frequently came under observation were hog cholera, swine erysipelas, necrotic enteritis, and swine plague. A report is submitted dealing with some of the important aspects of swine diseases.

Experimental Hemorrhagic Septicemia in Swine: A large number of experiments have been undertaken to produce typical hemorrhagic septicemia infection in swine. These experiments indicate that it is extremely difficult to reproduce in healthy swine a disease comparable to the natural infection with hemorrhagic septicemia. The results are described in an appended report.

Fatal Anaphylaxis Following the Use of Anti-Hemorrhagic Septicemia Bacterin: Two occurrences of severe fatal anaphylaxis are described involving the loss of several animals. Attention is drawn to the seriousness of such unfortunate consequences during immunization and the necessity for guarding against anaphylactic shock is emphasized.

Stiff Lamb Disease and Aphosphorosis: An outbreak of disease among lambs is reported which responded to the administration of large doses of phosphoric acid. The resemblance between stiff lamb disease and acute phosphorous deficiency is noted.

Clinical and Extension Service

This service has been developed to meet the needs of veterinarians and owners requiring assistance. The nature and extent of the services rendered are briefly summarized as follows:

Animal Clinics: Clinics are held each week throughout the college session to which animals of all classes may be brought for observation. All animals are carefully examined and medical treatment is prescribed and surgical operations performed as may appear desirable. The greater part of the clinical service is furnished during the session when the students are in attendance. Several case reports are appended to illustrate the scope of this useful work.

Horses: The majority of these were surgical cases, of which 175 were successfully treated. Approximately 100 visits were made to extend treatment to horses at the Ontario Agricultural College. In addition, 62 horses were vaccinated against virus encephalomyelitis.

Cattle: Many of the cattle cases represented herd conditions. Among the diseases predominating being Bang's disease, sterility, mastitis, calf scours, calf pneumonia, Johne's disease, actinomycosis, and hemorrhagic septicemia.

In co-operation with the various live stock breeders' associations, definite plans have been arranged for the control of Bang's disease on an experimental basis, as follows:

1. By testing individual herds and segregating or removing the reactors.
2. By testing herds in prescribed areas and removing all reactors.
3. By the adoption of calfhood vaccination in badly affected herds.

A total of 25,519 cattle were tested under these plans and the results are contained in a separate report.

Swine: There has been a marked increase in the number of swine cases. These comprised surgical cases and many diseases affecting litters and herds. Among the diseases predominating were anemia of young pigs, gastro-enteritis, pneumonia, parasitism, nutritional deficiencies, hemorrhagic septicemia, swine erysipelas, necrotic enteritis, and hog cholera.

Sheep: The majority of these cases represented flock maladies and comprised parasitism, hemorrhagic septicemia, goitre, nutritional imbalances, pregnancy and lambing troubles.

Small Animals: Over 200 dogs and cats were submitted to the clinic for examination and treatment. While the majority were surgical cases, there were also a large number of disease conditions treated, including mange, eczema, distemper, chorea, gastritis, and dietary conditions.

Fur-Bearing Animals: The diseases and general welfare problems of fur-bearing animals on ranches were given all possible consideration. Considerable investigational work was undertaken relating to losses occurring on mink ranches in York and Perth Counties.. The disease proved to be distemper. The experimental use of hyperimmune serum and tissue vaccine as agents in the control of distemper was tried in both mink and ferrets but they appeared to be of doubtful value. Diagnostic work was also undertaken in the examination of specimens sent in for laboratory examination. The material submitted included food substances and fecal matter from fur-bearing animals. The laboratory work also included autopsies on 142 animals, as shown in the following outline:

Nature of Case	Fox	Mink	Rabbit	Total
Parasitism	3	9	2	14
Pneumonia	4	21		25
Food Toxemia	4	32		36
Peritonitis		4		4
Uraemia		13		13
Distemper		20		20
Metritis		2		2
Nutritional Anemia		10		10
Streptococcal Infection		4		4
Dermatitis	1			1
Goitre	2			2
Vitaminosis	2			2
Acute Gastritis	2	1		3
Encephalitis	1			1
Intestinal Block		1	1	2
Acute Enteritis		1		1
Haemorrhage		2		2
Total	19	120	3	142

A further service was rendered by the preparation and distribution of the following circulars to those interested in fur-bearing animals:

Pneumonia in Mink.
Distemper in Mink.
Streptococcus Infection in Mink.
Mink Breeding.
Acidosis in Mink.
The Maggot Fly.
Nursing Mothers and Young Mink.
Coccidiosis in Mink.
The Raccoon.
The Care and Management of Rabbits.
Disease of Rabbits.
Urinary Calculi in Fur Bearers.
Guinea Pig Breeding.
Chinchilla Breeding (chinchilla lanigera).

Biological Laboratory Service

Preparation of Antigen: Ninety-six thousand six hundred test doses of S. *pullorum* antigen, and positive and negative control sera, were prepared and supplied to registered veterinarians for the agglutination test of *S. pullorum* infection. Seventeen thousand test doses of *Br. abortus* antigen were distributed to veterinarians for the agglutination test for Infectious Abortion of cattle (Bang's disease).

Agglutination Tests: During the year 25,519 blood samples were submitted to the agglutination test for Bang's disease. Included in this number are 3,153 from cattle intended for Export or Exhibition purposes, and 3,933 from cattle in herds under Ontario Veterinary College supervision.

The results of these tests are as indicated in the following table:

Number of Samples tested		25,519
" " " positive	3,802	
" " " doubtful	1,487	
" " " negative	19,899	
" " " unfit for testing	331	

Routine Examinations of Milk and Cream Samples

Routine tests were made on 240 samples of milk and cream submitted to the laboratory from time to time. These tests included fat determinations, agar plate counts, coliform tests, methylene blue, resazurin, reductase and phosphatase tests.

Pathological and Bacteriological Examinations

During the current year 863 specimens were received for laboratory examination, as indicated in the following table:

Nature of Case	Cattle	Sheep	Horses	Swine	Dogs	Cats	Rabbits	Birds	Goats	Fox	Mink	Water	Feed Samples	Meat	Totals
Parasitic Infestation		3	1												4
Coccidiosis	3														3
Neoplasms	1	2	4		33										40
Pasteurella Infection	4	10	1	68					2						85
Brucella Infection	12														12
Necrophorus Infection	1	1		3											5
Salmonella Infection				9				3		1	4				17
Streptococcal Infection			1	11											12
Influenza			8	16											24
Pneumonia	4	5		70		4		1		1	4				89
Distemper					3						25				28
Blackleg	5	1													6
Dermatitis				4											4
Erysipelas				20											20
Colon Septicemia				18											18
Hog Cholera				10											10
Scours of Newborn	8														8
Joint-Ill (Foals)			17	1											18
Abscess	3									3					6
Pyemia, Septicemia			4		4				1						9
Metritis	3				2										5
Mastitis	16			3											19
Hepatitis	2				1										3
Pericarditis	2			20											22
Gastritis and Enteritis	4		8	32		11									55
Kidney Diseases	6										1				7
Tuberculosis	1		1		1										3
Johne's Disease	4														4
Actinomycosis, Actinobacillosis	7														7
Food Poisoning, Botulism	10		2												12
Encephalomyelitis (Suspect)			10												10
Swamp Fever (Suspect)			4												4
Hodgkin's Disease						1									1
Deficiency Diseases	2			4		1									7
Stiff Lamb Disease		6													6
Blood Examination, Anemia, etc.	48		34	30											112
Haemoglobinuria	10														10
Urine Tests	9		2												11
Seminal Fluid	1	1													2
Pregnancy Tests			64												64
Chemical Poisoning	3				1	2	3								9
Milk Samples	20														20
Miscellaneous	10	2	4	9	13	2	3					4	4	1	52
Totals	199	31	165	328	58	21	6	4	3	5	34	4	4	1	863

Poultry Laboratory Service

This consists chiefly in the routine examination of diseased poultry sent or brought to the laboratory. No serious outbreaks of disease were encountered, but the incidence of coccidiosis, pullorum disease of chicks and nutritional ailments remains at about the same level. In a great many instances these conditions could have been prevented if proper control measures had been employed.

Advice is always given as to the handling of the flock to prevent the spread of infectious diseases.

The number of specimens received during the past year is greater than that of the previous year and the diseases dealt with are shown in the following list:

Nature of Case	Number of Cases
Adult Pullorum Infection	130
Ascites	21
Avian Diphtheria	3
Cloacitis	2
Coccidiosis	388
Coryza and Roup	41
Enteritis	27
Enterohepatitis	74
Fowl Cholera	40
Laryngotracheitis	30
Leucosis	100
Pullorum Disease of Chicks	568
Tuberculosis	33
Other Infections	74
Egg Bound	4
Internal Laying	23
Impaction	13
Injuries	12
Nutritional Disorders	490
Poisoning	4
Prolapse	13
Ruptured Liver	22
Ruptured Oviduct	3
Tumours	69
Worm Infestation (Ascaridia)	66
" " *(Capillaria)*	40
" " *(Large Tapeworms)*	46
" " *(Minute Tapeworms)*	149
" " *(Ascaridia and Tapeworms)*	52
No Evidence of Disease or Putrid	120
Total	2,657

Throughout the year an immense volume of correspondence has received attention, as well as daily personal interviews with those seeking advice. The demand for veterinary services, including research and extension work, has noticeably increased.

The entire staff has been busily engaged and have performed their duties faithfully. A high standard of efficiency has been maintained throughout, and all expenditures have been carefully supervised and kept at a minimum cost to the Province.

All of which is respectfully submitted.

C. D. McGILVRAY,
Principal.

Guelph, Ontario,

March 31st, 1940.

CO-OPERATIVE PLANS FOR THE CONTROL OF BANG'S DISEASE

C. D. McGilvray

In co-operation with live stock breeders and practicing veterinarians, the following plans are provided for the detection and control of Bang's disease.

Routine Testing of Individual Herds: This plan is available for the blood testing of herds by veterinarians in general practice for their clients. The blood samples are submitted by the veterinarian and the blood tests are made by the college staff. The results of the tests are reported on test charts furnished by the college. The tests conducted under this plan during the current year are as follows:

Total number of cattle tested — 21,341.
" " " " negative 17,312 — approximately 81½%
" " " " doubtful 1,088 — " 5 %
" " " " positive 2,941 — " 13½%

Supervised Testing of Herds in Prescribed Areas: Where a sufficient number of owners in a prescribed area desire to have their herds tested and supervised for the control of Bang's disease (Contagious Abortion in Cattle) the Department of Agriculture, through the Ontario Veterinary College, will co-operate with owners and their veterinarians under the following arrangement:

1. That a group of 10 or more owners occupying contiguous premises in a prescribed area may submit a petition or signed request on a form supplied by the Department signifying their desire to have their herds tested for the control of Bang's disease under the supervision of a qualified registered veterinarian.

2. Under the proposed plan the Department will assume payment of the veterinarian's fees at the rate of 20 cents for each animal tested or any other basis mutually agreeable, and will also provide the necessary test charts, the sterilized vials for the blood samples, and make the required agglutination tests, free of charge.

3. The cost or expense of any additional work or extra visits by the attending veterinarian, apart from that required in the actual testing of cattle for the control of Bang's disease, shall be borne entirely by the owner of the herd.

4. That owners will agree to have their herds placed under either one of the following plans, depending on the extent to which they are affected, as shown by the test results:

Terms Under Which Herds are Accepted:

Plan A:

1. By having all cattle in the herd over 12 months of age blood tested.

2. If less than 10% of the herd reacts to the test, that the reactors will be immediately removed from the herd.

3. That the herd be retested at intervals of 30 to 60 days until the entire herd is negative.

4. That any additional reactors be likewise removed from the herd.

5. That all reacting cattle be ear-marked with the letter B, or removed direct under a permit to an abattoir for slaughter without undue delay, and that they be kept segregated pending their removal.

6. That reacting cattle must not be sold to enter other herds in order to prevent them creating new centres of infection or disseminating infection.

7. That new additions to the herd be obtained only from other negative herds, or have been submitted to the test before being admitted to the herd, and be kept segregated for 30 days and again tested.

8. That the premises be thoroughly cleaned and disinfected from time to time as may be required.

9. That the cattle showing a definite reaction to the test shall not be retested.

10. That cattle showing a doubtful reaction to the test shall be retested again in from 30 to 60 days. Animals again doubtful to the retest may then be regarded as reactors and dealt with accordingly.

11. That the non-reacting cattle to the initial test shall be again retested in from 30 to 60 days after the removal of the reactors.

12. That after a negative test of the entire herd is obtained, that the herd shall be submitted to a further test in three months' time, and again in from three to six months' time, and to semi-annual or annual tests thereafter.

13. That cows shall not be taken to other herds to be bred unless they are definitely known to be negative herds and likewise no cows from other herds shall be bred unless they also are from known negative herds.

14. That when all the animals in a herd are negative to the test, owners will then be expected to take the necessary steps to have their herds listed as negative herds under the provisions and regulations of the Health of Animals Branch.

15. That failure on the part of an owner to comply with the purpose and intent of the plan for the control of Bang's disease in their herd shall be regarded as sufficient cause for the cancellation of Departmental help and co-operation.

Plan B:

1. In the case of any herd having over 10% reactors, and the owner is unable to bear the immediate sacrifice of so many of his cattle, that an agreement be entered into with the view of ultimately developing a clean negative herd from the non-reactors and the calves with the least material sacrifice.

AREAS ESTABLISHED

Under the foregoing arrangement three prescribed areas have been established, known respectively as:

1. Schomberg Area: Includes 38 herds comprising 543 cattle.
2. Durham Area: Includes 31 herds comprising 315 cattle.
3. Northumberland Area: Includes 55 herds comprising 870 cattle.

RESULTS OF TESTS IN PRESCRIBED AREAS

The tests of all cattle in these areas have not been completed as yet, and the results furnished cover only the Schomberg and Durham areas:

Total number of cattle tested — 913.
“ “ “ negative 820 — approximately 90%
“ “ “ doubtful 66 — “ 7%
“ “ “ positive 27 — “ 3%

Following the completion of the initial tests, all reactors have been removed and further tests will be made at regular intervals until all reactors have been detected. Owners will then be expected to take the necessary steps to prevent reinfection and to have their herds listed as negative herds under the regulations of the Health of Animals Branch.

SELECTION OF HERDS FOR CALFHOOD VACCINATION

A selection and test was made of 201 herds comprising 7,954 cattle. Following the test the herds were grouped into two classes as being either *slightly affected* or *badly affected.*

(a) *Slightly Affected Herds:* In this class were included all herds containing less than 15% reactors. Following the initial test the reactors were removed and the doubtful ones segregated. Further tests were made in from 30 to 60 days until there were no further reactors. The owners were then advised to have their herds placed under the supervision of the Health of Animals Branch for further tests in order to have them officially listed as negative herds.

This group comprised 145 herds and the results of the initial test were as follows:

Total number of cattle tested — 5,287.
“ “ “ negative 2,375 — approximately 92%
“ “ “ doubtful 101 — “ 3%
“ “ “ positive 144 — “ 5%

(b) *Supervised Calfhood Vaccination in Badly Affected Herds:* In this class were included all herds containing over 15% reactors. Vaccination was restricted to calves between four and eight months of age. The vaccine used was Cotton's No. 19 strain *Brucella abortus.* Following vaccination the calves are being tested at regular intervals of from 30 to 60 days until their first gestation period is completed. The experimental or controlled use of vaccination was commenced during the month of May, 1938, and sufficient time has not elapsed to properly determine its value. This group comprises 56 herds containing 2,667 animals of which 999 were calves of vaccination age.

The results of the tests before vaccination were as follows:

Total number of cattle tested — 2,667.
“ “ “ negative 1,686 — approximately 63%
“ “ “ doubtful 151 — “ 5%
“ “ “ positive 830 — “ 32%

Calves tested between 4 and 8 months of age:

Total number of calves tested before vaccination	— 999.	
“ “ “ negative “ “	856 —	approx. 86%
“ “ “ positive “ “	81 —	“ 8%
“ “ “ doubtful “ “	62 —	“ 6%

Calves vaccinated and unvaccinated between 4 and 8 months of age:

Number of calves vaccinated	971
“ “ “ unvaccinated (controls)	28

Breeding records of vaccinated heifers (first pregnancy):

Number of vaccinated heifers bred	244
“ “ “ “ conceived	237
“ “ “ “ calved (normally)	84
“ “ “ “ aborted	1

Breeding record of unvaccinated (control) heifers (first pregnancy):

Number of unvaccinated (control) heifers bred	28
“ “ “ “ “ conceived	18
“ “ “ “ “ calved	12
“ “ “ “ “ aborted	3

Comments on the Results Following Vaccination

All owners were definitely requested to furnish a complete statement as to the results experienced in their herds. The replies received were all in complete agreement that no ill effects were observed in any of the calves following vaccination. Every owner likewise desired to continue having their calves vaccinated. In checking up the test results it does not appear to be of any particular significance whether the calves are negative or positive to the test before being vaccinated. A very considerable number (approximately 20%) of the calves negative to the test before vaccination remained negative for one month or longer after vaccination.

Some of these calves then became positive to one or more subsequent monthly tests and then became negative to further tests in about two or three months' time. Quite a number of the vaccinated calves seemed to shift from a negative phase to a positive phase from time to time, or from positive to negative from time to time. Likewise many of the calves positive to the test before vaccination were negative to the test within from 30 to 90 days following vaccination.

In fact, the test results in vaccinated calves of that age may not be of any particular significance. Under the plan being followed the vaccinated calves are being kept in the abortion affected herds and thus continually exposed to possible infection. After all, the value of calfhood vaccination may ultimately require to be determined on the protection afforded in reducing the abortion rate in heifers during their first and second pregnancies.

In the meantime no difficulty has been reported by owners as to the vaccinated heifers failing to conceive to service.

DISEASES OF SWINE

F. W. SCHOFIELD AND R. T. INGLE

During the last few years diseases of swine have become a matter of ever-increasing importance. Most farmers now realize that pigs raised in a scientific manner may be quite a profitable undertaking. They are alert to the serious nature of disease and are usually willing to co-operate in methods of control and prevention.

The veterinarian, who only a few years ago was rarely called upon to treat sick swine, now finds that a good portion of his revenue is derived from this source. At the same time he is greatly handicapped by an inadequate knowledge of the common diseases of these animals. Anyone who has studied the infectious diseases of swine discovers that it is far from easy to make a correct diagnosis in many cases due to the similarity between the symptoms manifested in the acute infections. Even when the disease has been studied clinically and a careful post-mortem examination made, the bacteriological findings not infrequently upset the diagnosis which had been made on clinical and pathological grounds. True, there are typical cases of hog cholera, swine erysipelas and hemorrhagic septicemia which allow of ready diagnosis, but a large minority are atypical and confusing.

Due to a special grant from the Department of Agriculture, we have been able to carry on some special research into diseases of swine which we believe will be productive of good results as the work progresses. A brief note follows dealing with some important and interesting aspects of the most common diseases of swine which we have encountered during the past year.

HOG CHOLERA

During the winter months outbreaks of this disease occurred at many points in the western part of the Province. In many instances the outbreak was the first recorded for that particular area. The disease was chiefly spread through the medium of the small pig sales which in recent years have sprung up all over the Province. Operating in conjunction with the sales are the live stock truckers who become effective agents in spreading the disease. Many a farmer bought pigs from a trucker only to find out in a day or two that the pigs were diseased and that hog cholera had been introduced to the premises.

Mention should be made of the work already reported, in our finding a constant leuco-penia in cases of hog cholera.[1] This significant blood change was first reported by Kernkamp. Several others have confirmed his findings. In some cases a white cell count is a distinct aid in diagnosis. Petechial hemorrhages in the cortex of the kidney and in the mucous surface of the bladder proved to be the most diagnostic changes encountered at post-mortem. In over 200 post-mortem examinations made during the year the spotted kidney has only been seen on one occasion, apart from cases which later proved to be hog cholera.

SWINE ERYSIPELAS

This disease is definitely on the increase and is occurring among swine to a much greater extent than at present recognized. During the year many outbreaks have been diagnosed either by clinical or bacteriological examination. The agglutination test with "Schroeder's antigen" has proved to be of definite worth in several doubtful outbreaks. In one outbreak the owner lost ten out of twenty pigs, and most of the remaining pigs exhibited a dry gangrene involving the skin of the back and extending from the tail to the ears. Hemorrhagic lesions in the skin, or the presence of numerous hive-like elevations of the skin with or without stiff or painful joints are the symptoms most frequently seen. Swine erysipelas serum has given uniformly good results in acute cases. The infection seems to persist for a long time in a piggery.

HEMORRHAGIC SEPTICEMIA

Acute and fatal infection of swine with the *P. suiseptica* does undoubtedly occur in both young and mature swine. The organism is by far the commonest to be found in cases of chronic pig pneumonia. The frequency with which it is responsible for acute outbreaks of disease among swine is a debatable matter. Available evidence would indicate that it does not occur with anything like the frequency attributed to it. In our experimental work we have found it most difficult to infect healthy swine even when pure cultures of recently isolated strains are used.

The practice of inoculating swine with anti-hemorrhagic septicemia bacterin has become widespread among the farmers. It is purely emperical and should not be encouraged.

In the pulmonary form the lung shows congestion, hemorrhage and œdema. The lesions are much more marked in the anterior and medial lobes. The œdema is sometimes even more pronounced than in swine flu. The bronchial lymph nodes are acutely inflamed. In fact most of the body lymph glands shows acute inflammatory change. If the nasal passages are exposed acute rhinitis is commonly present. In the intestinal form there is an acute gastro-enteritis. This is frequently associated with some pulmonary change.

SALMONELLA INFECTION

This has not been common; only a few cases of genuine infection have been recorded.

SWINE FLU

This infection is quite common and in most cases the characteristic post-mortem appearance of the lungs is present. In one very large piggery every litter became ill at about two weeks of age. Coughing, high temperature, loss of weight and anorexia were the chief symptoms. The mortality was not high but the pigs failed to put on weight and remained in very poor condition. A tissue vaccine was prepared from the diseased lung in an early infection. This seemed to give good results when used as a preventive. The *H. suis* is not uncommonly found when culturing infected lungs.

PARASITES

Ascaris infection is now rarely found, the majority of farmers "worm" the pigs just before or after weaning. The beneficial results are very apparent. Also, general sanitation has greatly improved.

MORTALITY AMONG PIGLETS

We encountered a number of cases during the winter months of sows losing their litters a day or two after birth. Death was due to septicemia. The most prevalent organisms were streptococci, colon and P. suiseptica. In almost all cases the feed had been poor in quality. We believe that the absence of vitamin A was the chief cause for the lack of resistance. The frequent lack of any green feed for months at a time is a serious defect in the rations of many sows. Cod liver oil or some other vitamin-bearing food must be fed during the winter months. Concentrated cod liver oil such as haliver oil given during the first few weeks to the piglets frequently has very beneficial results.

In conclusion, we would say that there is a large and important field here and one that requires long, continued and systematic study before the many important problems which it presents can be solved.

REFERENCES

[1] Leucopenia in Hog Cholera: Vet. Digest, May 1940, Vol. 2, p. 145.

FATALITIES AMONG PIGS FOLLOWING OVERDOSES OF IRON

F. W. SCHOFIELD AND R. T. INGLE

Since the recognition a few years ago of anemia as a very prevalent and fatal disease among piglets, iron, as a preventive, has been used on an ever increasing scale. In most cases the iron is administered by the owner who has little idea of the size of the correct dose. Iron as ferri reductum (reduced iron) is the form chiefly used, and this, due to its extremely fine nature, has a tendency to hold together so that large doses are easily administered. Unfortunately, due to the belief that iron was quite harmless, a carelessness in dosage frequently occurred and in quite a few instances with disastrous results.

The History in Fatal Cases. The history in most cases is very similar. The owner had treated the litter of pigs with reduced iron when four or five days old as a preventive against anemia. From six to twelve hours after the treatment the pigs which had been quite bright and healthy began to look sick. They were dull, listless, with occasional spells of shivering, and ceased to nurse. In from twenty-four to forty-eight hours they began to die. Sometimes the whole litter would succumb, in other cases just a few pigs were affected.

The quantity of reduced iron administered in these fatal cases varied greatly, but was usually between .5 gm. to 1.5 gm. Roughly from two to five times the maximum dose advocated.

What is the Cause of Death? At first we believed that the iron itself had been toxic, and death due to iron poisoning. This view had to be discarded, because such doses were frequently being given with no untoward results. The clue came with the study of the post-mortem lesions. In many cases examination of the carcass showed strong evidence of septicemia. Most of the body lymph glands were congested and œdematous; acute congestion and œdema of the lungs was common, while in others varying degrees of gastritis and enteritis were present. Cultures made at death or shortly after showed various organisms, the chief being colon, streptococci and pasteurella. These did not represent post-mortem invasion.

The conclusion at which we arrived was that iron in excess has a tendency to cause a break in the defence mechanism, allowing organisms already present in the respiratory tract or intestine to penetrate and cause serious infection.

The following case is cited as offering evidence which strongly supports this view:

Two litters of pigs, A and B, of approximately the same age and in equally good condition, were given reduced iron in excess, 1.5 gms. per pig, or five times the proper dose. In one litter (A) all of the pigs except one remained healthy, and this one which died had been transferred from the other litter (B). In litter B, within twenty-four hours all of the pigs —nine in number—were affected. They appeared dull, nursed with indifference and lay in the straw most of the time. Within forty-eight hours four of the nine pigs had died, the remainder recovered. Post-mortem examination of the pigs showed very marked congestion and œdema of the lungs with fluid in the thorax in every case. In two of the four there were different degrees of gastritis and enteritis, but in neither was the inflammation severe. The spleen was enlarged and dark in all cases. The kidneys were pale. Cultures from the lung gave pure colon in all cases. The colon did not represent terminal or post-mortem infection, as the pigs were in good condition. Further, a blood culture made from one of the sick pigs gave a pure culture of colon.

THE DISEASE REPRODUCED EXPERIMENTALLY

In this experiment, seven six-day-old pigs were used. They appeared to be perfectly healthy, but they were located on a farm where losses in piglets have frequently occurred during the last few years.

Three of these pigs were given by mouth 1.5 gms. of sulphate of iron, which is equivalent to 300 mgs. of Fe. All of these pigs died within forty-eight hours. The post-mortem findings were very similar to those seen in the natural cases described above. The organisms present were P. suiseptica and coli.

Two pigs were fed reduced iron; one received 300 mg., the other 600 mg. Both of these pigs remained perfectly well.

One pig was given 300 mg. of iron as ferric chloride. This pig died in twenty-four hours. There was no indication of septicemia, and death was most likely due to the toxic effect of the iron.

Conclusions. (1) That overdoses — more than 300 mg. of reduced iron or 900 mg. of sulphate of iron — may cause death of piglets. (2) That death is not due to a direct toxic effect of the iron, but rather to an indirect effect upon the defence mechanism.

STIFF LAMB DISEASE — AN APHOSPHOROSIS?

F. W. SCHOFIELD AND A. F. BAIN

Noting the pronounced similarity in the gross appearance of the skeletal muscles in "stiff lamb" disease with that seen in "stiff calf" disease, we decided to treat the disease in lambs with phosphoric acid which had already given excellent results in the calves.

Stiff Calves. The cases occurred on a farm where for several years the owner had been losing nursing calves all showing the same symptoms of stiffness, myasthenia, paresis, emaciation and death. There was no elevation in temperature or other signs of infection. Post-mortem showed widely distributed degeneration of the skeletal muscles which were a pale pinkish gray in colour.

Samples of blood from the dams showed a deficiency in the inorganic phosphorus, an average of 3.7 mgs. The cattle did not show any signs of mineral deficiency. With the liberal feeding of bone-meal to the cows, and dilute phosphoric acid to the calves, there were no further losses.

Stiff Lambs. The stiff lambs occurred in a flock of about twenty ewes which were in very poor condition when purchased in the fall. They had been wintered on hay and mangels and had put on weight. Grain was fed for two weeks before lambing and for a few days after. The lambs were three weeks old and appeared well when put out to pasture. In three or four days time several of the lambs were noticed to be quite stiff in their movements. Within a week twelve lambs were affected. The symptoms were characteristic of stiff lamb disease.

Treatment. All of the lambs were given a dessertspoonful of dilute phosphoric acid in a little milk twice a day for three days, and then a teaspoonful twice a day for the remainder of the week. One of the worst cases, a weak lamb, died after marked improvement in locomotion. Post-mortem examination revealed pneumonia.

The remainder showed great improvement in three days, and in two weeks all had entirely recovered.

Unfortunately there were no controls, but the recovery was so remarkable that we report the cases hoping that it will interest others to try the same treatment for this obscure disease.

Inorganic phosphorous determinations made on the blood of the dams and the sick lambs gave inconclusive results. Ewes, phosphorus ranged from 3.57 - 6.80; lambs, from 5.88 - 9.0 mg. %.

THE RAPID ISOLATION OF THE VIRUS OF EQUINE ENCEPHALOMYELITIS

FRANK W. SCHOFIELD

Although the diagnosis of infectious diseases does not necessarily depend upon the isolation of the specific organism, the demonstration of the specific bacterium or virus offers the most conclusive kind of evidence. In the disease which we are now discussing, accurate diagnosis by clinical observation, serological or other laboratory tests is not at present possible, the actual demonstration of the virus is therefore essential. It is true that when the disease occurs in epizootic form diagnosis on clinical and epizootological grounds is not difficult, but the diagnosis of isolated cases is a very difficult matter and usually requires the demonstration of the virus. The histo-pathological changes, while of great significance, are hardly specific enough to warrant a diagnosis in all cases. The isolation and designation of the virus is therefore of unique importance in the diagnosis of encephalomyelitis. A simple, accurate and rapid method of diagnosis is of great importance in both human and animal infection. The methods to be described have been worked out with these fundamental requirements constantly in view. Whether the methods described will prove to be equally applicable to the disease as it affects man must be determined in the future.

Isolation by Blood Culture Into the Guinea Pig and Chick Embryo

The advantage of this method is obvious in that it enables a diagnosis to be made while the disease is in the earliest stage. One does not have to await the death of the animal as in other methods. Moreover, should the animal recover, one is not cheated of the information desired.

Blood is drawn directly from the jugular vein into a sterile 50 cc. vacuum bottle containing 5cc. of 5% sodium chloride. Fifty cc. is the quantity usually drawn. It is very important that the sample be taken during the first few days of the disease, i.e., during the febrile period. At this time the virus may be demonstrated in quantities as small as .01 cc. The virus will remain viable in the citrate solution at summer temperatures for at least four days. A small quantity of the blood — .1 cc. — is inoculated aseptically into each of several eggs which contain eight to ten-day chick embryos. A similar quantity is inoculated intra-cerebrally into several guinea pigs, while 10 cc. of the blood is inoculated intra-peritoneally into the same animals. The eggs are candled at 24 and 48 hours to see whether the embryo is alive or dead. If dead the embryo is removed and examined for the typical hemorrhage lesions on the skin, cultured ærobically and anaærobically, then frozen at about -5° C. Emulsions are made from the chick or membranes up to 10^{-5}, filtered, and guinea pigs inoculated which have been immunized against the Eastern and Western strains respectively. Or specific immune sera — Eastern and Western — is added to the emulsion dilutions and guinea pig protection tests carried out.

The guinea pigs which have been inoculated are kept under observation and the temperature taken night and morning. Pigs coming down with infection usually show a rise in temperature — 103° - 106° F. — commencing on the second or third day. Anorexia, depression and paresis usually accompany the fever. The majority of the guinea pigs inoculated die in a state of paralysis in from four to ten days. The pigs should be kept under observation for at least three weeks, as when a very small quantity of the virus is present symptoms and death may be greatly delayed. This, however, chiefly in animals which are inoculated intraperitoneally.

It is important to note that the blood culture technique has only been employed in the isolation of the Eastern type of virus. It remains to be seen whether it can be used successfully in isolating virus of other types.

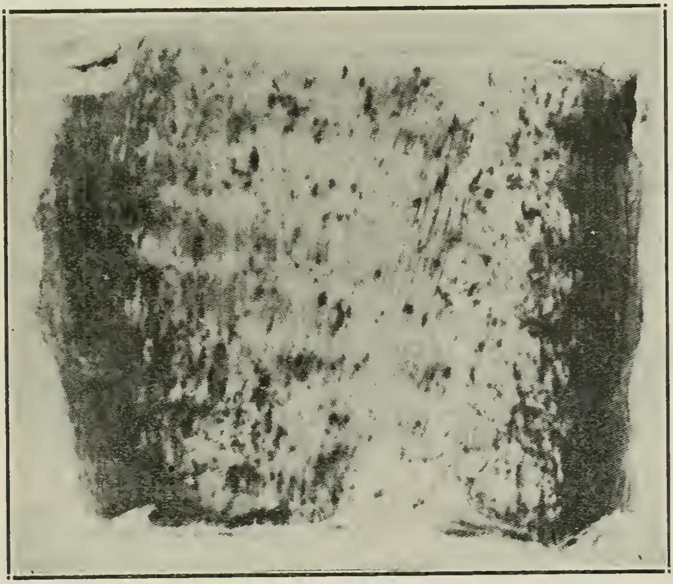
MALIGNANT EQUINE INFLUENZA

F. W. SCHOFIELD

An unusual outbreak of what was diagnosed as influenza occurred in a large stable of work horses. No new additions had been made, and none of the animals had been off the estate, so that the source of infection remained unknown. The clinical picture was not that of influenza, but that of a severe septicemia, especially so in the first two cases.

Case 1. Nine-year-old gelding in good condition. Had worked all day and seemed perfectly well. Evening meal refused. Temperature 100⅗°, pulse 56, breathing slightly accelerated. Appeared sleepy and depressed, and was undoubtedly a sick horse. The eye was slightly congested and jaundiced. There was no discharge from the nostrils. On the following day the depression was more marked, and there was an anxious expression on the face. The temperature remained the same. Laxatives and stimulants were given. On the third day the horse lay down, and was unable to rise. Temperature 100°, pulse weak and fast, respiration accelerated. The horse died during the night after struggling violently for some hours.

Post-mortem showed some congestion of the lungs, the trachea and bronchii were covered with ecchymoses and petechial hemorrhages. The abdominal viscera were normal.



Malignant influenza. Section of trachea showing hemorrhages.

Case 2. A fourteen-year-old gelding in good condition. Had worked all day and was only noticed to be sick in refusing the evening meal. Examination showed temperature 102°, pulse 60, and respiration slightly increased. The head was down and the animal appeared to be quite sick. On the following day the patient was definitely worse; there was constant spasm of the diaphragm, slight muscular tremors, especially of the pectoral muscles, and marked depression. Inco-ordination of movement was pronounced and the animal rapidly became delirious, unmanageable, and went down. After a few hours of violent struggling the horse died, just twenty-eight hours after the onset of the disease.

Post-mortem examination showed the same ecchymoses and petechial hemorrhages of the trachea and bronchii. Petechial hemorrhages were also present in the adipose tissue and fascia in the sub-scapular region, the flank and the thigh. Some of the hemorrhage was due to bruising, but much was deep-seated.

Case 3. Roan gelding weighing about 1,850 pounds, in good condition, and had worked all day, but noticed not to eat the evening meal. Examination showed temperature 106° F., pulse 60, respiration slightly increased. There was marked depression, the patient frequently moved from foot to foot. On the following day the temperature was 106$\frac{3}{6}$°, the legs were slightly swollen, and when walked the animal seemed stiff. The eye was definitely congested, and the depression was more pronounced. At this time, 3 p.m., anti-influenza serum, 200 cc., was given intravenously. Observed at 11 p.m., the temperature was down to 103°, the patient was eating a little hay and appeared bright. A further inoculation of 100 cc. was given on the following day. The horse made a rapid and complete recovery.

Case 4. Brown mare, in good condition, had worked all day, but was noticed not to eat the evening meal. Examination showed temperature 106.2°, pulse 60, and marked depression. The legs were slightly stocked. Muscular tremors were frequent. On the following day the condition was the same with the addition of a slight watery discharge from the eyes and nose. Anti-influenza serum, 200 cc., was given intravenously. In sixteen hours the temperature had dropped to 102.4°, pulse 46, and the patient was bright and eating mash and a little grass. Within a few days recovery was complete.

At this time every horse in the stable was examined, the temperature taken, and 5 cc. of anti-influenza bacterin given. No further cases developed.

Bacteriological Findings. Cultures made from the trachea gave *P. equiseptica* and *S. equirilus,* with a few colonies of a hemolytic streptococcus. A guinea pig injected into the thorax with a scraping from the trachea died in thirty-six hours with acute sero-fibrinous pleurisy. *P. equiseptica* was present in pure culture.

A seven-year-old gelding was inoculated intravenously with 20 cc. of blood taken from the third case. Five days later this horse developed a temperature of 103°. The temperature varied from 103° to 105° for the following three days, and then subsided. No other symptoms were noticed except a slight watery discharge from the nose which continued for a few days.

Blood Examination. A white cell count in two cases showed no appreciable variation from the normal.

The severity of the infection, the absence of the usual symptoms of equine influenza and the remarkable response to the serum made these cases of peculiar interest. Several similar outbreaks have been reported during the last few months.

DISTEMPER IN MINK

LIONEL STEVENSON AND F. W. SCHOFIELD

During the spring and summer months a number of serious outbreaks of distemper occurred on the mink ranches in this province. For some time doubt was expressed as to whether the epizootic was true distemper. This important point was definitely settled by the use of ferrets as experimental animals. The ferret is highly susceptible to distemper and manifests typical symptoms when infected. Ranchers had been advised to use anti-canine distemper serum as a preventive and large quantities were used on several ranches. On the whole the results were very disappointing, little or no benefit being derived from its use. The use of autogenous tissue vaccine gave very much better results as a preventive.

Distemper in the Mink. This disease occurred in two main forms, *e.g.*, the nervous and the systemic.

The nervous. This form was characterized by convulsions in which the animal would cry loudly for several minutes at a time. Often this was the only symptom noticed. In other cases, however, there was a slight watery discharge from the eyes, and the mink had been off feed and somewhat listless for a few days.

The systemic. In this form the first evidence of sickness is in the indifference of the mink to food. It frequently remains hidden in the nest, and shows no interest in its environment. A slight watery discharge from the eyes and nose appears. Soon the eyelids show yellow crusts along the borders, and the lids may be stuck together. There is a catarrhal conjunctivitis. At the same time a slight nasal discharge appears and the lips and cheeks are highly congested. The skin of the abdomen is frequently hyperæmic, also that of the foot pads, which seemed to be very painful. The temperature is between 104° - 106° F. The disease usually lasted from five to ten days, the animal becoming progressively weaker and emaciated. Recovery is rare, the mortality being almost 100%.

Post-Mortem. The changes were as a rule not marked. The lungs were congested, but pneumonia was rare; the spleen was usually several times the normal size, dark and friable. Congestion and enlargement of the liver is common. In some cases there was a marked gastro-enteritis. Apart from the enlarged spleen pathological changes were not marked. A very acute dermatitis of the foot pads and adjacent skin was frequent.

The disease in the ferret is almost identical with that seen in the mink. The incubation period is from five to ten days, when a rise in temperature occurs.

The Prophylactic Value of the Anti-Canine Distemper Serum. Young ferrets were used in this experiment, as mink could not be procured. As already mentioned, most ranchers had not found the serum to have any value as a preventive, although large doses were used (5 cc.) and repeated ten days later. Four ferrets were given 2.5 cc. each of the serum and later the eyes and nose were swabbed with infected exudates taken from acute cases. In ten days the serum was repeated. All of the ferrets came down with typical distemper and died within a month. This experiment was repeated, using two injections ten days apart of 5.0 cc. of anti-canine distemper serum. The results were practically the same in that all the ferrets became infected and died.

Tissue Vaccine as a Prophylactic. The vaccine was prepared by triturating the lung and spleen with sand until a very fine paste was produced. This was now diluted in saline solution, one part to ten of saline. The virus was killed by the addition of .4% of formalin. The vaccine was used in quantities of 1.0 cc., followed by a second dose of 2.0 cc. in ten days.

On one ranch eleven hundred mink were inoculated, and two hundred kept as controls. In the vaccinated group the death rate began to drop in two weeks. In four weeks the death rate was down 50%. At the end of six weeks there were no more deaths. In the control group of two hundred mink the death rate continued without any change.

The rancher had used large quantities of the serum with no success. Quoting from his report, he says: "One cannot draw definite conclusions about the effectiveness of tissue vaccine but from our experience I think it is worth while — I would certainly try it again."

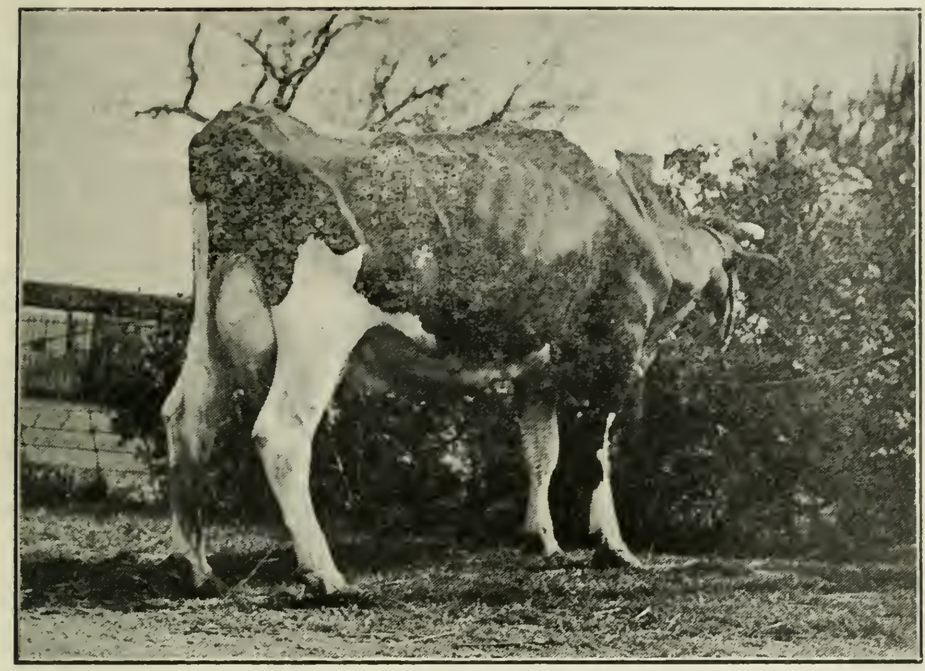
CLINICAL CASE REPORTS

R. A. McIntosh

LEUKEMIA IN A COW

Leukemia is defined as being a fatal disease in which there is a marked increase in the number of leucocytes in the blood, together with an enlargement and proliferation of the lymphoid tissue of the spleen, lymphatic glands and bone marrow. In clinical cases, every lymph node in the body is enlarged. The disease is attended with progressive anemia and increasing exhaustion.

In animals, the disease is sometimes spoken of as pseudoleukemia. Lymphoblastoma and lymphocytoma are other terms applied to it. It is a condition in which there is a definite neoplastic disturbance of the blood-forming tissues, thus the tumefaction of the lymph glands. It has been determined also that in some instances there is no increase in the number of leucocytes and the condition is then referred to as an aleukemic lymphocytoma.



Leukemia Case—Showing the Tumified lymph glands.

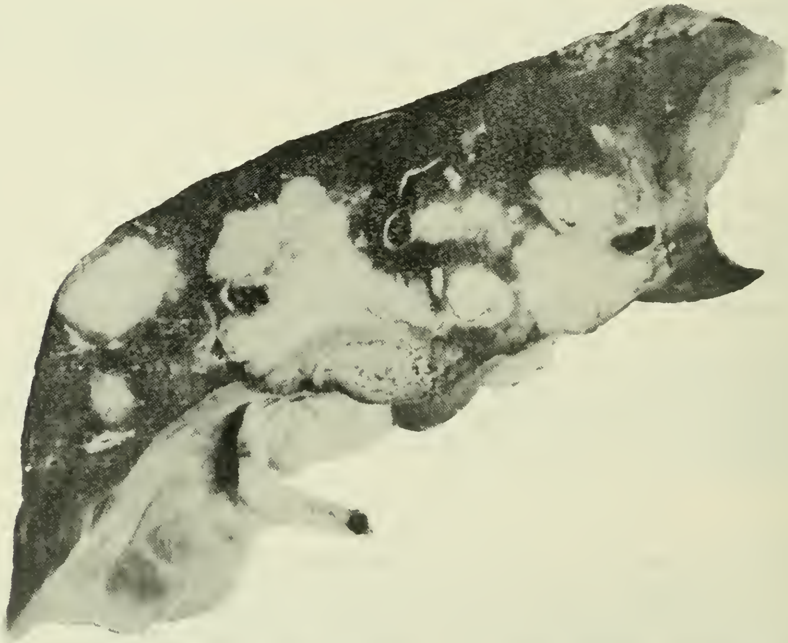
The illustration included in this report pictures a case of this nature in a Holstein cow six years of age. The owner first noticed a swelling at the base of the right rear quarter of her udder and shortly afterwards in the loose fold of the skin on the right flank. Veterinary assistance was acquired and an exploratory puncture of the flank was made to determine, if possible, the character of the contents of the lesion. No exudate was found. An incision was made in the enlargement, but again without finding any pus cavity or fluid content. This healed, but the tumefaction of the gland continued. Two months later, the writer had the opportunity to examine the case and all of the superficial body lymph glands showed this tumefaction as is revealed in the picture. The animal was progressively becoming more emaciated and because of pressure in the laryngeal region, due to the enlargement of the retro-pharyngeal lymph gland, laboured breathing and coughing were quite marked. Samples of her blood were taken for a white blood cell count and found not to be above normal. The cow was disposed of as a canner and, unfortunately, the opportunity of following the case through was not accomplished.

NECROTIC STOMATITIS IN CALVES

This is a condition apparently becoming somewhat prevalent. On a number of occasions cases of this nature have been submitted to the clinic for examination and diagnosis. In some instances, the owners stated that veterinary examination and advice had been acquired without a diagnosis having been given.

The disease is caused by the Actinomyces Necrophorus, a soil-borne organism which finds a suitable habitat in damp, decaying vegetable matter. It also causes what is commonly spoken of as a sore mouth in young pigs, lip and leg ulceration in sheep and foul-in-the-foot of cattle. Numbers of calves kept in the same pen in which manure and filth accumulates are more often affected. When the organism becomes prevalent in the pen, the calves, undoubtedly, pick it up from the contaminated bedding and possibly from troughs, mangers, and pails from which they are fed. The eruption of teeth and abrasions they cause on the gums and the inside of the cheek provide an avenue for the infection to get into the tissues, after which characteristic lesions appear. Quite often lumps appear on the sides of the face and their presence is often the first indication the attendant observes in these cases. The circumscribed enlargement is due to the tumefaction of the facial tissues around the necrosing centre of infection. Affected calves string mucous and saliva from their mouths and often it has the highly offensive odor of decaying flesh. Such salves may drink their milk, but may refrain from eating. They become gaunt in appearance, unthrifty, and scouring is quite frequently observed. If the condition is neglected similar areas of necrosis may occur in the region of the pharynx and larynx, resulting in difficulty in swallowing and breathing and also coughing. Infected material may be swallowed, cause a degree of enteritis and in some instances passes through the wall of the intestine into the blood stream to later lodge in the liver. If such lesions develop, it invariably causes the death of the affected animal.

The following report and illustration indicate one of the more severe cases in which the liver became involved. The owner brought in the carcass of a calf which had died en route to the college. An inquiry into the history of the condition revealed that six calves had been lost which were



Cut Section of the Liver showing White Necrotic areas in the Parenchyma of the gland.

similarly affected. The calves were kept in a common pen and pail fed. Practically all of them had shown swollen faces and then gradually became worse and died. In the post-mortem examination of this one there was a necrotic lesion in both cheeks and on opening the carcass lesions were observed in both of the lungs and the liver. The liver was extensively involved as is seen in the accompanying illustration. There was also some indication of a gastroenteritis. It should be observed that once the liver becomes involved, the temperature of the affected animal becomes quite high and they become quite seriously affected. This is due in part, at least, to toxemia for there is no possibility of the toxic material being eliminated as for instance when the lesions are confined to the mouth.

To control the condition, it is advisable to isolate the affected animals, thoroughly clean out and disinfect the pen in which they were kept and not allow them to have any roughage until pretty well recovered. Whole milk, flaxseed tea and calf meal will suffice for the diet during the interim of recovery. The treatment of the diseased areas in the calves' mouths requires the curretting of the lesions and the application of Lugol's solution of iodine. In some instances, it may be necessary to make an external opening in the facial lesions in order to successfully remove the necrotic tissue and provide ample drainage.

PREGNANCY DISEASE IN A EWE

The subject of this clinic was a pure-bred Southdown ewe aged four years. She was a member of a flock of twelve. During the winter they had been fed mixed hay (clover and timothy), turnips, and towards lambing time a little oat grain. They were housed in a pen connected with a yard in which they could exercise at will.

This animal was first noticed sick four days prior to submitting her to the clinic. She was dull and stupid, shook her head and ears and ground her teeth. She drank a little, but would not eat at all. These symptoms became more pronounced and when examined she was very stupid, acted as if she were blind and would not move when approached. A sample of urine was obtained and a test applied for ketone bodies. The reaction was markedly positive.

A diagnosis of Pregnancy Disease was made and she was immediately given 300 cc. of a 40% dextrose solution intravenously. Cascara and molasses were given also by the mouth. The next day some improvement was evident, and she was given 250 cc. of the dextrose solution. On the third day, she was quite improved. She ate hay and grain, drank freely and was quite active. Her senses had returned to such an extent that she was quite timid and would try to avoid anyone on their approach. On the fourth day, she continued to be quite bright, but showed some uneasiness. A few hours later, labor pains were in evidence and two still-born feti were removed. Unfortunately, the second fetus was difficult to remove because of malpresentation. Subsequently the ewe succumbed, evidently due to a metritis.

The reason for including this case report is to reveal the cure of the acetonemic condition by the use of the dextrose solution. Had it not been for the obstetric difficulty, it is felt that the patient would have recovered.

ANNUAL REPORT

OF THE

Department of Highways

ONTARIO

FOR THE FISCAL YEAR ENDING MARCH 31st

1940

PRINTED BY ORDER OF
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ONTARIO

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1940

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To The Honourable Albert Matthews, LL.D.,
Lieutenant-Governor of the Province of Ontario.

May it Please Your Honour:—

The undersigned has the honour to transmit the Annual Report of the Department of Highways, Ontario, for the fiscal year ending March 31st, 1940.

Respectfully submitted,

T. B. McQuesten,
Minister

Department of Highways, Ontario,
Toronto, December 31st, 1940.

To The Honourable T. B. McQuesten, K.C., B.A., LL.B.,
Minister of Highways, Ontario.

Sir:—

I have the honour to present herewith Report on the activities of the Department of Highways for the Fiscal Year ended 31st March, 1940.

The Report covers operations and functions performed by the various branches, including King's Highways, Municipal Roads, Bridge Construction, Accounting, Gasoline Tax and Motor Vehicles.

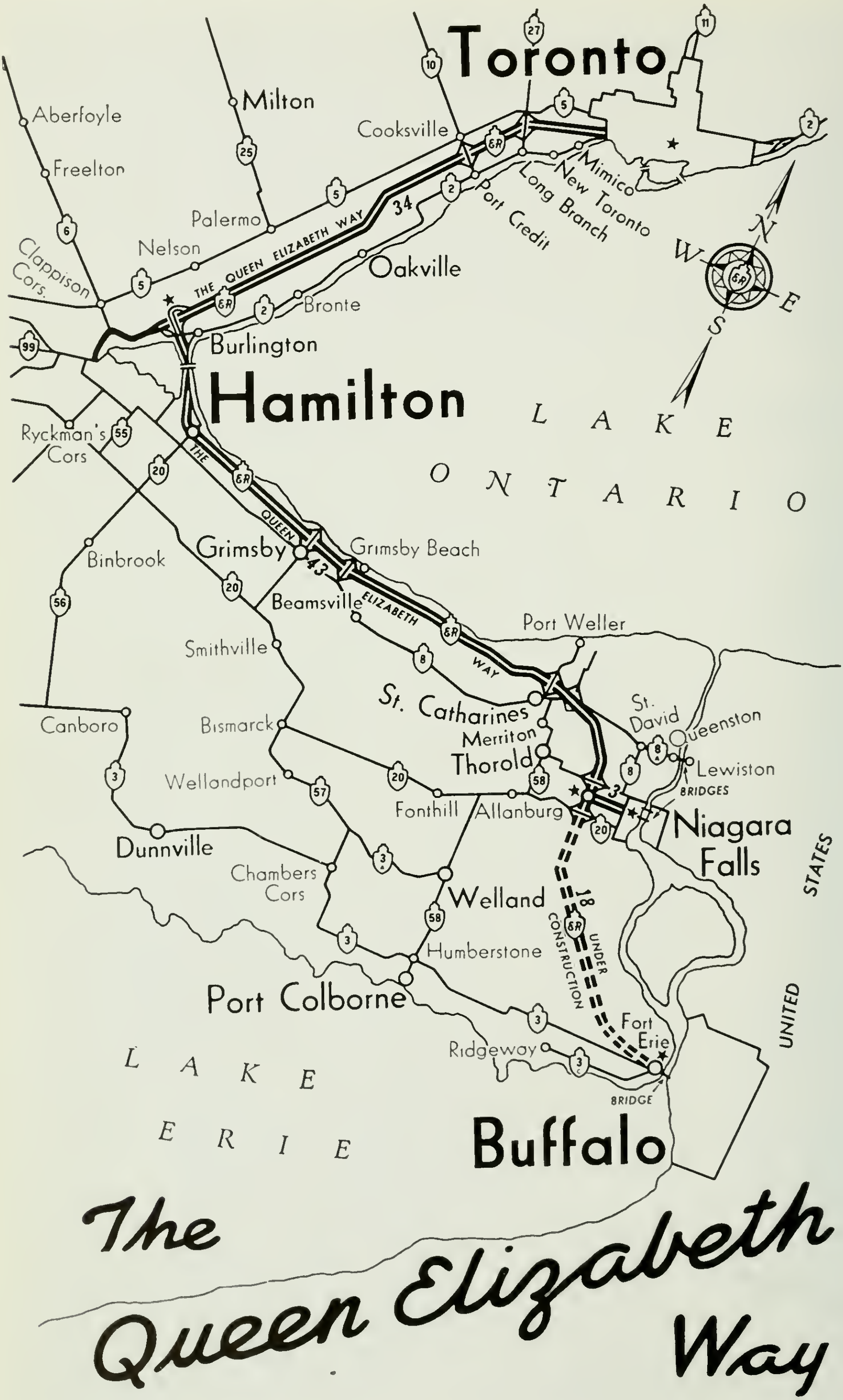
I have the honour to be, Sir,

Your obedient servant,

R. M. Smith,
Deputy Minister.

Department of Highways, Ontario,
Toronto, December 31st, 1940.

THEIR MAJESTIES AT THE DEDICATION OF THE QUEEN ELIZABETH WAY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New Toronto
Long Branch
Port Credit
Oakville
Bronte
Burlington
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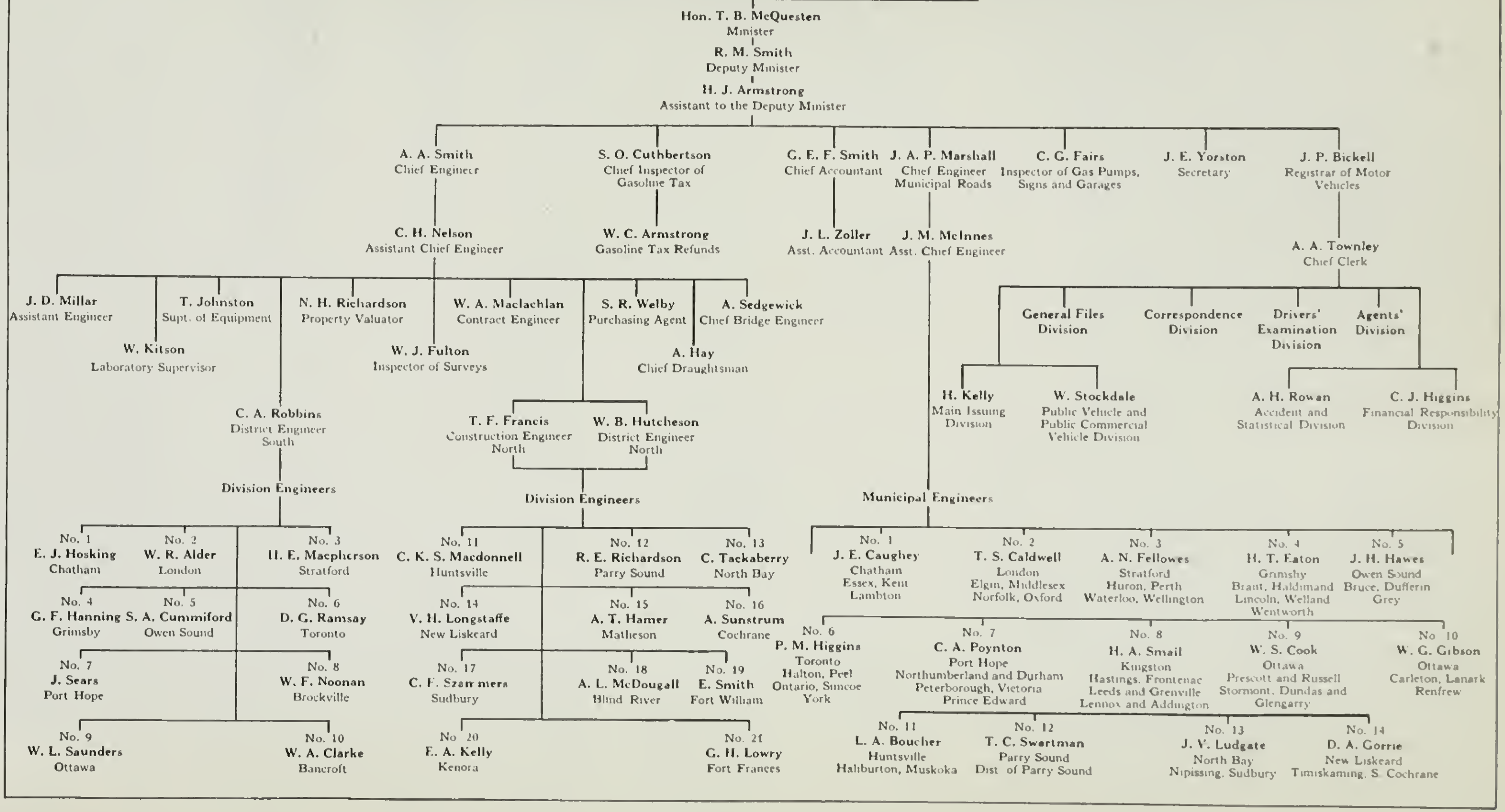
UNDER CONSTRUCTION
Port Colborne
Ridgeway
Fort Erie
BRIDGE
LAKE ERIE
Buffalo
UNITED STATES
The Queen Elizabeth Way

1939

ORGANIZATION CHART

DEPARMENT OF HIGHWAYS ✤ ONTARIO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Deputy Minister
H. J. Armstrong
Assistant to the Deputy Minister
A. A. Smith
Chief Engineer
S. O. Cuthbertson
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Agents' Division
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Laboratory Supervisor
W. J. Fulton
Inspector of Surveys
A. Hay
Chief Draughtsman
H. Kelly
Main Issuing Division
W. Stockdale
Public Vehicle and Public Commercial Vehicle Division
A. H. Rowan
Accident and Statistical Division
C. J. Higgins
Financial Responsibility Division
C. A. Robbins
District Engineer South
T. F. Francis
Construction Engineer North
W. B. Hutcheson
District Engineer North
Division Engineers
Division Engineers
Municipal Engineers
No. 1
E. J. Hosking
Chatham
No. 2
W. R. Alder
London
No. 3
H. E. Macpherson
Stratford
No. 4
G. F. Hanning
Grimsby
No. 5
S. A. Cummiford
Owen Sound
No. 6
D. G. Ramsay
Toronto
No. 7
J. Sears
Port Hope
No. 8
W. F. Noonan
Brockville
No. 9
W. L. Saunders
Ottawa
No. 10
W. A. Clarke
Bancroft
No. 11
C. K. S. Macdonnell
Huntsville
No. 12
R. E. Richardson
Parry Sound
No. 13
C. Tackaberry
North Bay
No. 14
V. H. Longstaffe
New Liskeard
No. 15
A. T. Hamer
Matheson
No. 16
A. Sunstrum
Cochrane
No. 17
C. F. Szammers
Sudbury
No. 18
A. L. McDougall
Blind River
No. 19
E. Smith
Fort William
No 20
E. A. Kelly
Kenora
No. 21
G. H. Lowry
Fort Frances
No. 1
J. E. Caughey
Chatham
Essex, Kent
Lambton
No. 2
T. S. Caldwell
London
Elgin, Middlesex
Norfolk, Oxford
No. 3
A. N. Fellowes
Stratford
Huron, Perth
Waterloo, Wellington
No. 4
H. T. Eaton
Grimsby
Brant, Haldimand
Lincoln, Welland
Wentworth
No. 5
J. H. Hawes
Owen Sound
Bruce, Dufferin
Grey
No. 6
P. M. Higgins
Toronto
Halton, Peel
Ontario, Simcoe
York
No. 7
C. A. Poynton
Port Hope
Northumberland and Durham
Peterborough, Victoria
Prince Edward
No. 8
H. A. Smail
Kingston
Hastings, Frontenac
Leeds and Grenville
Lennox and Addington
No. 9
W. S. Cook
Ottawa
Prescott and Russell
Stormont, Dundas and
Glengarry
No 10
W. G. Gibson
Ottawa
Carleton, Lanark
Renfrew
No. 11
L. A. Boucher
Huntsville
Haliburton, Muskoka
No. 12
T. C. Swartman
Parry Sound
Dist of Parry Sound
No. 13
J. V. Ludgate
North Bay
Nipissing, Sudbury
No. 14
D. A. Gorrie
New Liskeard
Timiskaming, S. Cochrane

HIGHWAYS OF ONTARIO

By R. M. Smith, Deputy Minister

This report covers the twelve months ending March 31st, 1940.

During that period the Revenue of the Department reached a record high of approximately $34,000,000.00, an increase of more than $7,400,000.00 over the immediate preceding twelve months. Of this increase something over $6,600,000.00 was from Gasoline Revenue, reflecting the first year's increase of two cents per gallon in the tax, but accounted for in part also by an increase in gallonage sold. Motor Vehicles Revenue accounted for an additional $780,000.00 of the increase.

Expenditure of the Department for the period of this Report came much closer to the total Revenue figure than for several years.

	Approximate Revenue	Approximate Expenditure
1939-40	$34,000,000.00	$ 32,000,000.00
1938-39	26,500,000.00	42,000,000.00
1937-38	27,000,000.00	43,700,000.00
3-Year Totals	$87,500,000.00	$117,700,000.00

An examination of the following pages will show that an ever higher standard of both construction and maintenance methods is being applied to the King's Highways of Ontario, adding to their beauty and to the safety and comfort of everyone using them. Better equipment and the application of more scientific methods each year reduce the discomforts of mud and dust in summer and the hazards of ice and snow in winter.

Both Northern and Southern Ontario received attention in the Construction program of this period. The highways of the North are being quickly extended and rebuilt to Southern standards, providing improved transportation facilities for miners, farmers and lumbermen, and luring the tourist farther and farther into this Province of beauty and romance.

Progress was made on the new development between Nipigon and Geraldton and a start was made east of Geraldton on the gap between that point and Hearst, which, when completed, will provide an all-Canada route east and west across Ontario.

Subsidies of over $5,200,000.00 were paid to counties and townships to assist in their roads programs, and in this connection an expression of appreciation is due to their engineers as well as to those of the several suburban commissions for the results obtained by their efforts. Close co-operation between municipal officials and the Department has helped in unifying methods and in obtaining a maximum of economy.

Registration of motor vehicles showed an increase over the all-time high of the previous year of 2.3% and totalled 724,477.

With a continuous increase in the volume of traffic, reflected in more registrations and more gasoline sold, a corresponding increase in highway accidents has been prevented by improvements to and a more rigid enforcement of the Highway Traffic Act.

The year 1939 will long remain a memorable one:

Their Majesties, King George VI and Queen Elizabeth, visited Ontario early in the summer, stopping at most of the larger centres as well as points in the more sparsely settled North.

Her Majesty, Queen Elizabeth, dedicated the new divided highway, which, when completed, will connect Toronto and Fort Erie. This highway proudly bears her name, "The Queen Elizabeth Way."

Late in the same summer, Canada quickly followed the Mother Country in the declaration of war against Nazi Germany, and almost immediately Ontario's men in hundreds and then in thousands joined the various branches of Canada's armed forces. The Department of Highways has shared in this, through the loss of many valuable men to the Army, the Navy and the Air Force, with every prospect of seeing still more leave safety and security to help preserve our priceless heritage of freedom.

REPORT OF THE HIGHWAYS ACCOUNTANT

By G. E. F. Smith, Chief Accountant

To Mr. R. M. Smith, Esq.,
Deputy Minister of Highways,

The following is a summary of the Net Expenditure and Revenue for the fiscal year, April 1st, 1939, to March 31st, 1940:

Expenditure	
King's Highways, Connecting Links, etc.	$ 24,708,279.56
Grants to Counties	2,387,240.73
Grants to Townships	2,875,585.42
Administration, Equipment, etc.	1,889,498.71
	$ 31,860,604.42
Revenue	
Gasoline Tax	$ 25,111,338.15
Motor Vehicles	8,682,104.24
Permits, Gasoline Pumps, etc.	98,200.11
Road Assessments	41,247.10
Miscellaneous and Sundries	23,601.92
	$ 33,956,491.52

As in previous years the books of each municipality accepting aid under the Highway Improvement Act were audited by the Accounting Department.

REPORT OF GASOLINE TAX REVENUE

By S. O. Cuthbertson, Chief Inspector, Gasoline Handling Act

To R. M. Smith, Esq.,
Deputy Minister of Highways.

The gross gasoline tax collections for the Province during the fiscal year, April 1st, 1939, to March 31st, 1940 (both dates inclusive) amounted to $27,428,149.51. During the same period, there was refunded to farmers, manufacturers, motor boat users, airplane users, etc., the amount of $2,322,790.39. After having refunded the latter amount, the net gasoline tax for the period mentioned above amounted to $25,105,359.12, being an increase in excess of $6,500,000.00 over the same period in the previous year. The increase is accounted for, in some part, to the increased gasoline tax which became effective midnight, March 31st, 1939. The tax was increased from 6c per Imperial gallon to 8c per Imperial gallon. There was, however, an increase in the gasoline gallonage sold during the period to which this report refers.

During this same period, there was received $5,279.03, being revenue derived from gasoline handling license fees, and $700.00, being revenue from fines imposed for infractions of the Gasoline Handling Act.

During the period covered by this report, increased efforts have been made to eliminate fraudulent gasoline tax claims. Dealers who have not complied with the Regulations under the Gasoline Handling Act have had their gasoline handling licenses either suspended or cancelled; and, in cases where it has been definitely established that fraudulent claims have been filed with the Department in order to defraud the Government, court actions have been instituted in order to protect the revenue of the Department. Investigations are continuing which reveal, from time to time, fraudulent claims, and cases are submitted to the courts to be dealt with.

Audits of collectors' records are conducted periodically to verify the monthly gasoline tax returns.

S. O. Cuthbertson,
Chief Inspector Gasoline Tax.

REPORT OF MISCELLANEOUS PERMITS BRANCH

By C. G. Fairs, Supervisor

To R. M. Smith, Esq.,
Deputy Minister of Highways.

I have the honour to submit the following 1939–40 Fiscal Year Report:

Building Permits

Number of Permits Issued	888
Approximate Value	$1,627,149.00

Comments:

These permits are issued for all types of buildings erected within One Hundred and Fifty Feet of any King's Highway right-of-way boundary, except roads classified as "Divided Highways."

Very few of these buildings, if any, will ever have to be moved in order to widen right-of-ways, as extra precaution is taken to check into future contemplated road changes; the permit is issued accordingly.

Public Garage Licenses

These licenses are issued as of the calendar year, January 1st to December 31st, 1939.

Class "A"	3,737
Class "B"	2,486
Revenue Receipts for the Fiscal Year	$47,894.52
Number of Inspections Made	6,000
Number of Registered New Car Dealers	1,569
Number of Registered Used Car Dealers	2,556
Number of New Cars Sold (1938)	51,740
Approximate Value of New Cars Sold (1938)	$51,740,000.00
Number of Used Cars Sold (1938)	132,527
Approximate Value of Used Cars Sold (1938)	$46,384,450.00

"To obtain the number of new and used cars sold in one complete year, we had no alternative but to accept the full year of 1938, the year previous to our inspection".

Number of Motor Vehicle Wreckers	600
Approximate Value, Public Garage Buildings	$31,351,450.37
Approximate Value of Equipment	$ 6,581,089.86
Number of Employees	19,007
Number of Mechanics	8,138

Comments

A complete survey of this business was not completed as our Inspectors could not devote all their time to it. All the above figures and estimates, I can safely say, without hesitation, would be largely increased had a complete survey been made.

Approximate value of buildings and equipment were voluntarily obtained from the license holders. Our Inspectors were instructed to, at all times, underestimate real estate and equipment value so that a more true picture of this investment could be obtained.

Gasoline Pumps — King's Highway Outlets Only

These permits are issued as of the calendar year, January 1st to December 31st, 1939.

Permits $25.00 (Curb)	541
" $5.00 (8′ to 25′ from Highway Boundary)	3,858
Revenue Receipts for the Fiscal Year — April 1st, 1939, to March 31st, 1940	$34,156.33

Comments

During the year we have had 42 curb locations removed and placed 8′ to 25′ from highway boundary — all these locations were hazards and were rearranged through request of the Department.

Sixty-five new service stations placed adjacent to King's Highways or roads maintained by the Department were equipped with up-to-date washrooms, etc.

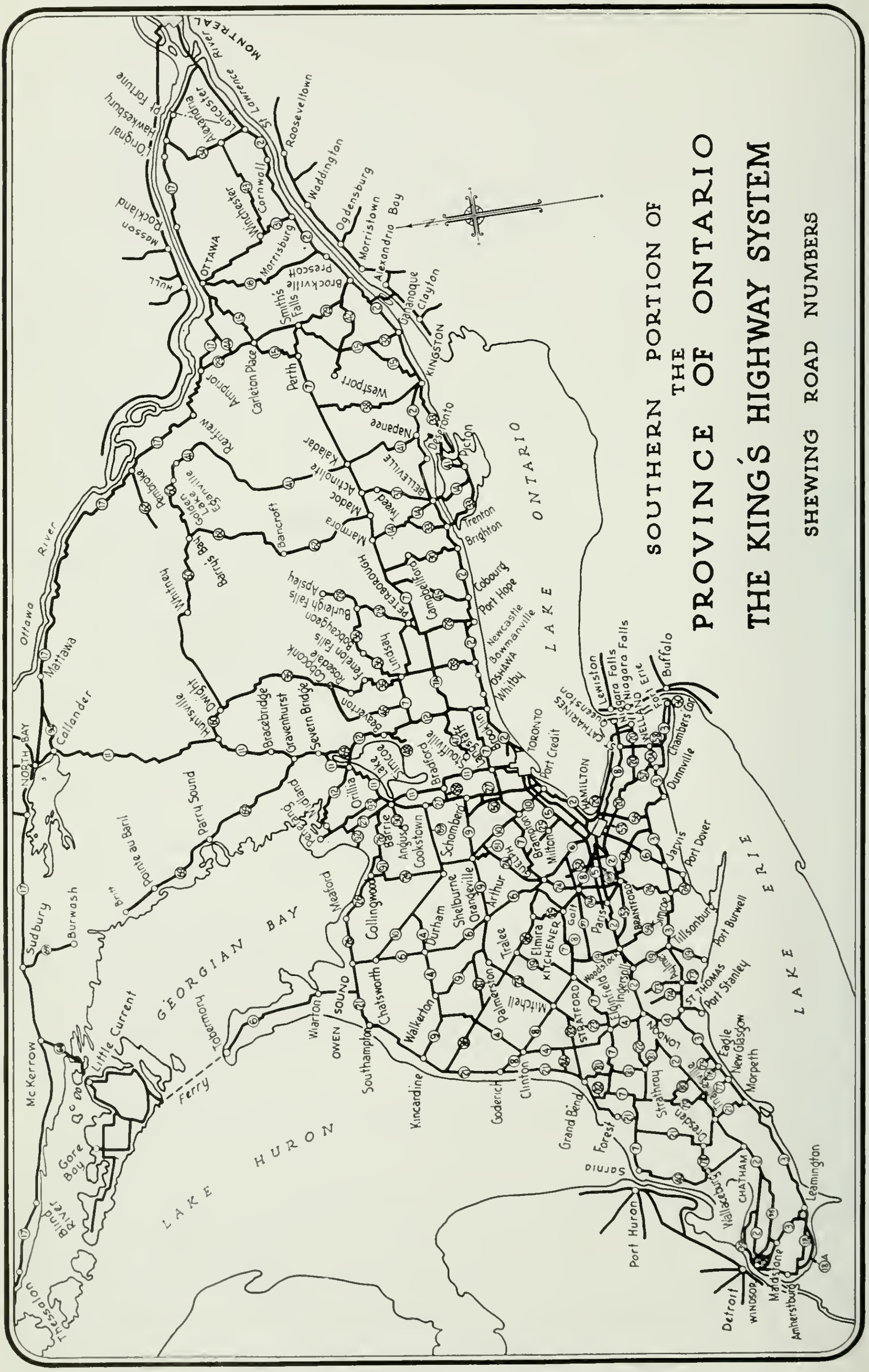
Signs

Permits issued as of the calendar year, January 1st to December 31, 1939.

Permits $ 1.00	902
" $ 5.00	1,899
" $10.00	562
Revenue Receipts for the Fiscal Year	$16,149.26

Comments

There is a slight decline in Outdoor Field Bulletins which require Department Permits. We are discouraging the erection of these bulletins as much as possible and trying to preserve the scenic beauty of the highways. Signs attached to trees, fences and unused buildings which were contrary to Department Regulations have been removed.



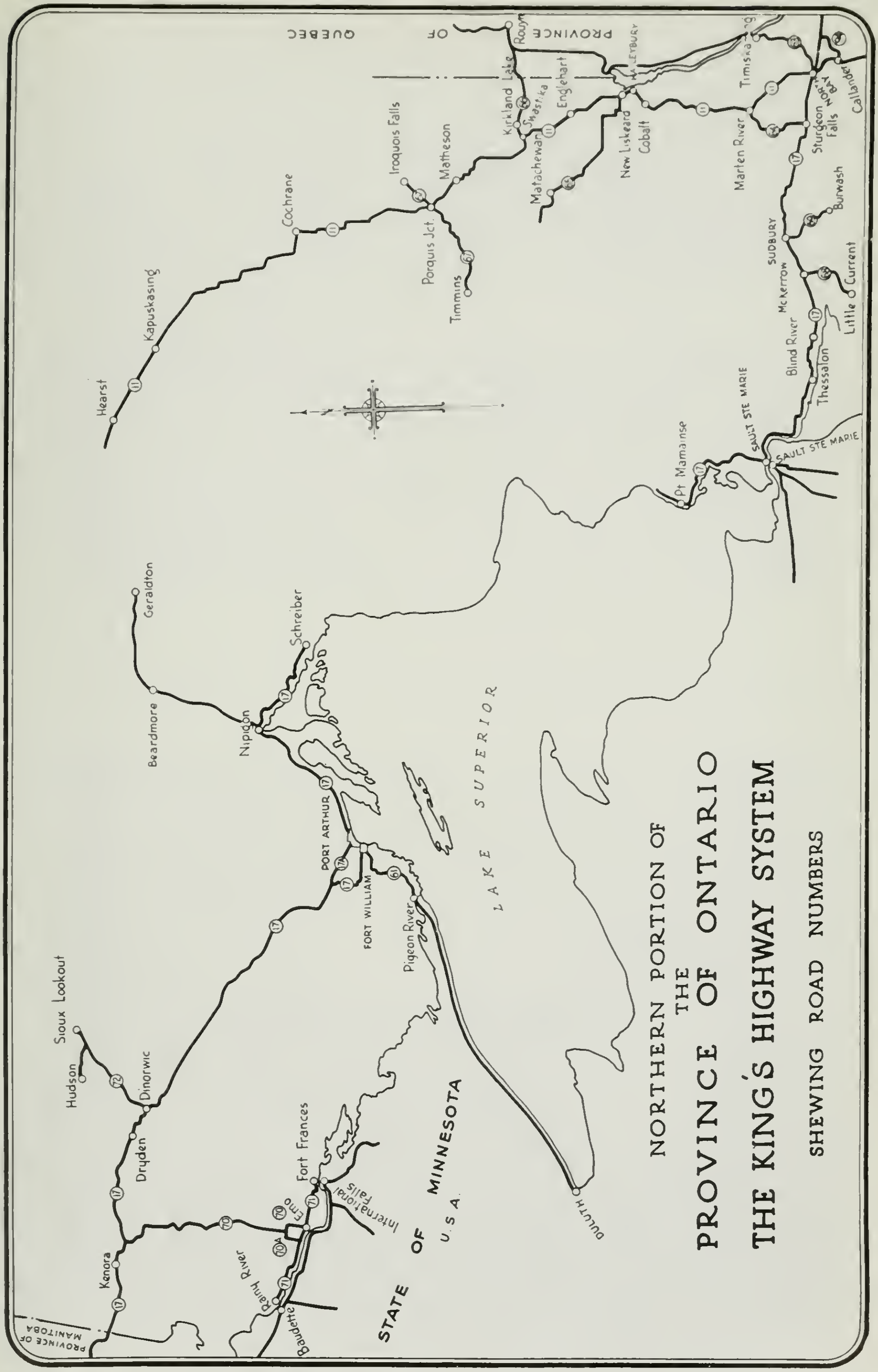
SOUTHERN PORTION OF THE PROVINCE OF ONTARIO

THE KING'S HIGHWAY SYSTEM

SHEWING ROAD NUMBERS

M-1266-8
Bulletin - 1934

LAKE ONTARIO
LAKE ERIE
LAKE HURON
GEORGIAN BAY
Ottawa River
St. Lawrence River
MONTREAL
OTTAWA
HULL
Masson
Rockland
L'Orignal
Hawkesbury
Pt. Fortune
Alexandria
Lancaster
Cornwall
Winchester
Morrisburg
Roosevelttown
Waddington
Ogdensburg
Morristown
Alexandria Bay
Prescott
Brockville
Smith's Falls
Gananoque
Clayton
KINGSTON
Perth
Carleton Place
Arnprior
Renfrew
Pembroke
Golden Lake
Eganville
Westport
Napanee
Deseronto
Picton
BELLEVILLE
Trenton
Brighton
Kaladar
Actinolite
Madoc
Tweed
Marmora
Bancroft
Barrys Bay
Whitney
Campbellford
Cobourg
Port Hope
Newcastle
Bowmanville
OSHAWA
Whitby
PETERBOROUGH
Apsley
Burleigh Falls
Bobcaygeon
Fenelon Falls
Rosedale
Coboconk
Lindsay
Beaverton
Dwight
Huntsville
Bracebridge
Gravenhurst
Severn Bridge
Mattawa
Callander
NORTH BAY
Parry Sound
Pointe au Baril
Britt
Sudbury
Burwash
McKerrow
Little Current
Gore Bay
Blind River
Thessalon
Tobermory
Ferry
Midland
Penetang
Orillia
Lake Simcoe
Barrie
Angus
Cookstown
Bradford
Stouffville
Schomberg
TORONTO
Port Credit
HAMILTON
Brampton
Milton
GUELPH
Galt
Paris
BRANTFORD
Elmira
KITCHENER
Woodstock
Ingersoll
STRATFORD
Mitchell
Palmerston
Tralee
Arthur
Orangeville
Shelburne
Durham
Collingwood
Meaford
Chatsworth
OWEN SOUND
Wiarton
Southampton
Walkerton
Kincardine
Goderich
Clinton
Grand Bend
Forest
Sarnia
Port Huron
Strathroy
LONDON
St. THOMAS
Port Stanley
Tillsonburg
Port Burwell
Simcoe
Port Dover
Jarvis
Dunnville
WELLAND
Fort Erie
Buffalo
Chambers Cor.
ST. CATHARINES
Queenston
Lewiston
Niagara Falls
Dresden
Thamesville
Eagle
New Glasgow
Morpeth
Wallaceburg
CHATHAM
Leamington
Maidstone
WINDSOR
Detroit
Amherstburg



NORTHERN PORTION OF
THE
PROVINCE OF ONTARIO
THE KING'S HIGHWAY SYSTEM
SHEWING ROAD NUMBERS

PROVINCE OF MANITOBA
Kenora
Dryden
Dinorwic
Hudson
Sioux Lookout
Rainy River
Baudette
Emo
Fort Frances
International Falls
STATE OF MINNESOTA
U.S.A.
Pigeon River
FORT WILLIAM
PORT ARTHUR
Nipigon
Beardmore
Geraldton
Schreiber
LAKE SUPERIOR
DULUTH
Pt Mamainse
SAULT STE MARIE
SAULT STE MARIE
Thessalon
Blind River
McKerrow
SUDBURY
Little Current
Burwash
Sturgeon Falls
NORTH BAY
Callander
Marten River
Timiskaming
Cobalt
New Liskeard
HAILEYBURY
Englehart
Matachewan
Swastika
Kirkland Lake
Rouyn
PROVINCE OF QUEBEC
Matheson
Iroquois Falls
Porquis Jct.
Timmins
Cochrane
Kapuskasing
Hearst
17
71
70
70A
72
11
61
66
67
M-1266-9

ANNUAL REPORT FOR 1939

KING'S HIGHWAY OPERATIONS

A. A. Smith, Chief Engineer

As in previous years the operations on the King's Highway system were carried out with the object of providing safe, all-weather roads for the motoring public. In all new construction work undertaken, safety has been the first consideration in the design and location. Two major changes were made in the Standards of the divided highways now being built on the more heavily travelled routes. The first was the adoption of a pavement width of 23 feet, composed of a driving lane of 11 feet and a passing lane of 12 feet. The second was the provision for twin structures at all bridges, giving complete separation of opposing traffic lanes.

Considerable attention was given to the erection of traffic control devices. In addition to the conventional traffic signals previously put into service, amber flashing lights were installed at several points. Resurfacing was carried out on some of the older pavements and driving conditions were improved by additional zone markings, guide rail and reflectorized signs. Summer maintenance included the application of dust layer on all main gravel roads.

THE QUEEN ELIZABETH WAY

Dedication Ceremonies at Queen Elizabeth Way — St. Catharines, 7th June, 1939

Dedication Ceremonies at Queen Elizabeth Way — St. Catharines, 7th June, 1939

The usual winter maintenance programme was carried on. All King's Highways in Southern Ontario and the leading highways in Northern Ontario were kept open during the winter months. For ice control on new concrete pavements, the Department undertook the use of heated sand in place of chemically treated sand. Two hot sand plants were built, one east and one west of Toronto, and satisfactory results obtained.

Following the outbreak of war in September 1939, many members of the Department staff were granted leave of absence to enlist for active service or to join the staff of the Department of National Defence. The Surveys Branch assisted in the laying out of the airports being constructed under the Empire Air Training Plan. The methods of aerial mapping used in highway location were very valuable in this work.

Summary of Construction Projects

During the visit of Their Majesties to Canada this year, the Queen graciously consented to open the Toronto to Fort Erie divided highway and granted permission to call the road The Queen Elizabeth Way. The opening ceremonies were carried out by Her Majesty the Queen on June 7th, 1939, at the junction of Niagara Street and the Queen Elizabeth Way at St. Catharines.

Work on this highway was actively continued. The Henley Bridge near St. Catharines and other bridges at Jordan, Fifteen Mile and Sixteen Mile Creeks were completed. Grade separations were built at Lake and Niagara Streets in St. Catharines, at the Martindale Road and at the Cushman Road where Highway 8 intersects the Queen Elizabeth Way. Paving was complete on the Stoney Creek Traffic Circle and approaches forming the intersection with Highway 20. Grading and structures were in the course of construction from Thorold Stone Road to Lundy's Lane and on the approach to the Rainbow Bridge at Niagara Falls.

Daylight View — Junction of Highways Nos. 2 and 5 at Scarborough

On the western entrance to Toronto on the Queen Elizabeth Way, twin bridges were under construction at the Canadian Pacific Railway, Salisbury Avenue and the Canadian National Railway. Concrete overpasses were being constructed to accommodate Grand Avenue and Kipling Avenue over the new highway. A reinforced concrete retaining wall and overpass bridge were under construction at the junction of the Queen Elizabeth Way and Highway 2.

At the eastern entrance to Toronto, pavement was completed on the divided highways from the grade separation at the Scarboro Cenotaph to Birchmount Avenue on Highway 2 and to Eastwood Avenue on Highway 5. Lighting installation was carried out in this area. A new bridge was completed over Highland Creek on the continuation of the divided highway from Toronto to Oshawa. A grade separation was completed east of the Rouge River on this same highway.

The paving of Highway 90 from Barrie to Camp Borden was started and the base course completed before winter set in.

In Northern Ontario further sections of Highways 11 and 17 were brought up to Class "A" standard. On Highway 11, considerable work of regrading was done between North Bay and Temagami and between Englehart and Kenogami Lake. The new road from Matheson to Pamour was put in condition for winter travel. Twenty-six miles of hot-mix pavement were laid during the season between North Bay and Englehart.

On Highway 17 between Chalk River and Sault Ste. Marie, several short sections were regraded to Class "A" standard. Ten miles of hot-mix pavement and twenty miles of concrete pavement were laid. Several bridges and one overhead were constructed. West of the head of Lake Superior, nine miles of mulch were laid and two bridges built.

On other northern highways a fairly extensive programme was carried out in regrading to higher standards, resurfacing and building bridges. The highway from Nipigon to Geraldton was made passable for winter traffic with some eighty miles having been completed to date.

Work was commenced by Provincial prison labor on the stretch from Longlac towards Hearst. Two camps were erected, tote roads constructed and approximately fifteen miles of clearing completed. Under agreement with the Federal Government, thirty-eight mining road projects were carried out involving an expenditure of three hundred thousand dollars. Quite a number of roadside tourist parks and resting places were established along the main highways.

At the end of the 1939 fiscal year ending March 31, 1940, the total mileage of the different types of surfaces on roads comprising the King's Highway System was as follows:

Concrete	1,773.44	Miles
Asphalt	345.97	"
Mixed Macadam	677.92	"
Penetration Macadam	350.73	"
Retread	423.01	"
Macadam	203.12	"
Gravel	3,494.36	"
Total	7,268.55	"

Mileage constructed during fiscal year ending March 31st, 1940, was as follows:

Concrete	36	Miles
Mixed Macadam	72	"
Mixed Macadam Base	11	"
Penetration Macadam	2	"
Retread	6	"
Mulch	33	"
Grading	150	"
Total	310	"

The details of the various bridges, grading and paving work follow later in this report.

Night View — Junction of Highways Nos. 2 and 5 at Scarborough

Mixed Macadam Pavement — Highway No. 17, West of Kenora

SURVEYS' BRANCH

Land Surveys

Land Surveys were made affecting 1,762 owners. This meant the surveying and monumenting of 460 miles of widened highway, the planting of 4,550 monuments and the acquisition of 4,282 acres of land; 41 gravel pits, 11 park sites were surveyed and 96 miles of road allowance was staked.

To enforce regulations controlling development of abutting property 48 building and fence surveys were made. Three surveys were made for the Department of Public Works and one for the Department of Mines.

Location and Engineering Surveys.

The Location branch made 180 miles of road traverse and 150 miles of road diversion or new location. This included profiles, cross-sections, contours and soundings.

Airports

Between November 8th, 1939, and March 31st, 1940, the Surveys' Branch surveyed for the Department of Transport, Ottawa, 32 airport sites. This work was done in connection with the Commonwealth Air Training Plan.

The site itself was usually about 1,000 acres in extent and plans were prepared showing all buildings, structures, pole lines, etc., including all topography and contours at 2-foot intervals. The drainage was investigated and soil tests taken. These 32 ports necessitated surveying an area of 34,800 acres. In addition a zoning plan was prepared for each port. This plan covered about 9 square miles surrounding the aerodrome site. All topography was taken and 5-foot contours were shown. The height of all obstacles in this area such as trees, buildings, pole lines, etc., was obtained. The total area included by the zone plans was 437 square miles.

Increasing control over development along divided highways makes it necessary to have an up-to-date plan as constructed of those highways which have been designated as divided highways. The Location branch has been making traverses and preparing plans at a scale of 50 = 1 inch which enable application under the regulations to be dealt with, without an inspection on the ground except in special cases.

The Location Branch is making increasing use of aerial photography for preparing study plans of new locations. A machine called an Epidiascope was constructed by means of which large areas can be mapped from the photographs with very little field work. This permits of a more comprehensive study of the route and the alternatives. Aerial pictures have been used for road locations in Northern Ontario for some time now but it is only in the last year that a method was devised which enable them to be of equal value in the south.

DIVISION No. 1 — CHATHAM

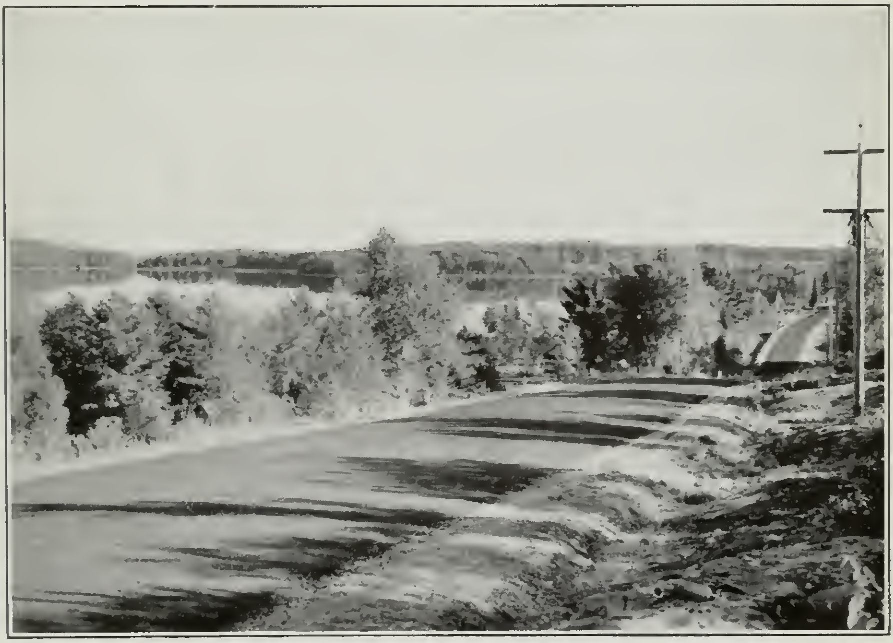
Highway No. 3—No. 3B

Two miles of old concrete were resurfaced and widened in the vicinity of Windsor.

For the new entrance to the International Bridge at Sarnia, three and two-thirds miles of dual highway were graded and new structures provided.

A new culvert was installed opposite the Devonshire Race Track and another on No. 18 Highway three miles east of Kingsville.

Three miles of Highway No. 7 between Sarnia and Perch Creek were surface treated and all roads in the division were kept open for winter traffic.



Highway No. 35 at Hall's Lake, Haliburton

DIVISION NO. 2 — LONDON

Highway No. 2

In the vicinity of Delaware slightly over two miles of old concrete pavement were resurfaced with 2″ of bituminous plant mix.

Highways No. 3 and No. 19

The entrance from the east on Highway No. 3 and from the north on Highway No. 19 to the Town of Tillsonburg was paved with bituminous material to a width of 30 feet and a distance of one and two-tenth miles.

Highway No. 59

A large culvert was constructed at Burgessville.

Sixteen and one-half miles of highway were surface treated and all roads in the division kept open for winter traffic.

DIVISION NO. 3 — STRATFORD

Highway No. 4

Crushed gravel was applied between Wingham and Highway No. 9.

Highway No. 8

In the Town of Preston the street railway tracks were removed and the connecting link was resurfaced with mixed macadam for a distance of two miles.

Highway No. 24

Concrete was laid where tracks were removed at the south entrance to the City of Guelph.

Highway No. 86

A new bridge was built and the grading completed at the east entrance to Elmira. Crushed gravel was applied from the Brussells side road to Elmira.

Crushed gravel was applied between Milverton and Tralee, Bayfield and Goderich, Elginfield and Mitchell, Russeldale and Grand Bend, Hensall and St. Joseph and between Hickson and Galt.

Twenty-five and one-half miles of highway were surface treated. All roads in the division were kept open for winter traffic.

DIVISION NO. 4 — GRIMSBY

Queen Elizabeth Way

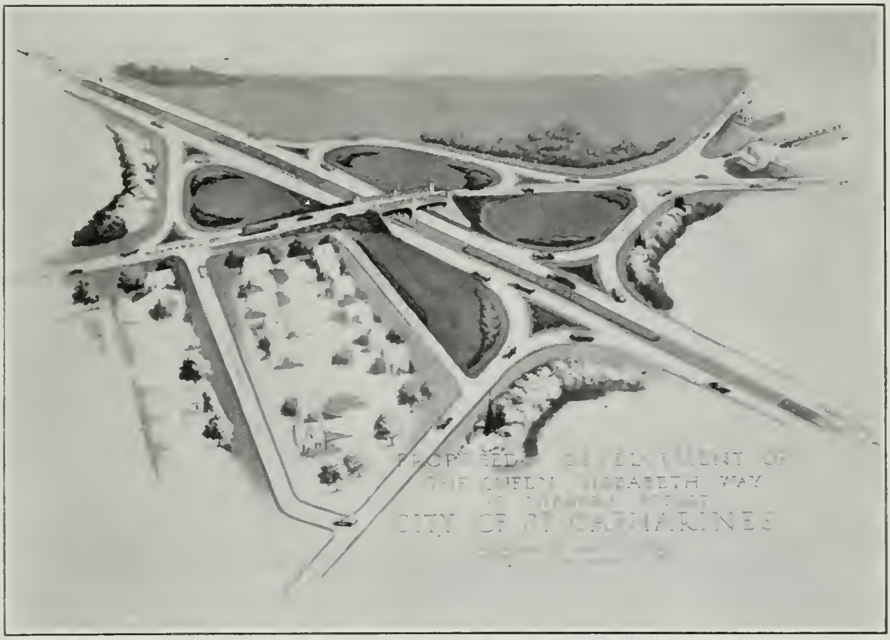
A mile of concrete pavement was laid at the Stoney Creek traffic circle, where the grading was carried out in 1938. The circle proper consists of three eleven-foot lanes of concrete, while the approaches are divided pavements twenty-three feet in width, curb, gutter and storm sewers were installed to control the drainage. All slopes were sodded to prevent erosion.

The structures at Jordan, 15-Mile and 16-Mile Creeks were completed.

Henley Course Bridge was completed in June and an asphaltic concrete surface placed on the bridge floor. After the concrete work on the bridge was completed, the appearance was greatly enhanced by the erection of ornamental stone-work and motifs to commemorate the visit of their Majesties the King and Queen.

A grade separation was carried out at Martindale Road; this is a rigid frame structure passing the Queen Elizabeth Way under Martindale Road. The bridge has a deck for motor traffic and a smaller deck on the east side to carry the N. S. & T. tracks.

Queen Elizabeth Way
Ornamental Stonework on Henley Bridge


PROPOSED DEVELOPMENT OF
THE QUEEN ELIZABETH WAY
NIAGARA STREET
CITY OF ST CATHARINES

Queen Elizabeth Way — Development at Niagara Street, St. Catharines

Two twenty-three-foot lanes of concrete pavement were laid from 700 feet west of Martindale Road to Ontario Street and the legs connecting the Martindale Road were also paved.

A concrete structure was erected just east of Lake Street in St. Catharines to carry the N. S. & T. Railway over the Queen Elizabeth Way, thus a level crossing was eliminated.

Niagara Street in St. Catharines was taken over the Queen Elizabeth Way by means of a rigid frame concrete structure; this bridge has a 42-foot deck with two four-foot sidewalks and also carries the N. S. & T. over the Queen Elizabeth Way. A cloverleaf was formed by constructing legs on the northeast, northwest and southwest corners and utilizing existing streets on the southeast corner. The steep slopes were sodded and the flatter areas seeded.

The grading and culverts were completed between Ontario Street and Homer. A rigid frame structure was erected at Cushman Road and the cloverleaf graded; this layout, besides separating the Cushman Road traffic from the Queen Elizabeth Way, will serve to pass traffic travelling west on Highway No. 8 under the Queen Elizabeth Way.

On the section from Thorold Stone Road to Lundy's Lane and from the Queen Elizabeth Way to Stanley Street on the Rainbow Bridge approach, most of the culverts were built and grading operations started. Footings were poured for a concrete trestle designed to carry the Queen Elizabeth Way over the Canadian National Railway about three quarters of a mile north of Lundy's Lane.

A contract was awarded for the grading and culverts from Lundy's Lane to Fort Erie, on which no work was done.

Highway No. 6

A 2″ hot mix surface was laid over the old penetration pavement between Hagersville and Caledonia.

Queen Elizabeth Way — Henley Bridge

Queen Elizabeth Way — Grade Separation near St. Catharines

Most of the gravel roads in the division were given a light coat of crushed gravel or crushed stone. Twenty-six miles of hard surfaced roads were surface treated. All roads in the division were kept open for winter traffic.

DIVISION NO. 5 — OWEN SOUND

Highway No. 21

Three miles of 1″ hot top were laid, completing the mixed macadam pavement from Owen Sound West to Elsinore. Retread pavement was laid between North Bruce and Port Elgin and one and one-third miles on the Southampton cut-off.

Considerable crushed material was applied on gravel roads. Forty-three miles of highway were surface treated and 539 miles on the division kept open for winter traffic.

DIVISION NO. 6 — TORONTO

Highways No. 2 and No. 5 — East of Toronto

The grade separation between Highways No. 2 and No. 5 at the Scarboro Cenotaph was completed by the construction of divided concrete pavements (each twenty-three feet wide) from Birchmount Avenue on Highway No. 2 and from Eastwood Avenue on Highway No. 5 to the Cenotaph. The entire area was landscaped and on Highway No. 5 from Old Danforth Avenue to Eastwood Avenue the existing asphalt pavement was widened to forty feet.

Highway No. 2

The new steel and concrete high-level bridge at Highland Creek accommodating the east-bound lane of the divided highway was completed and the old bridge carrying the west-bound traffic was refloored with reinforced concrete. About three quarters of a mile of asphalt resurfacing was done at the east approach to the Rouge River Bridge.

New Kingston Road

A reinforced concrete bridge of rigid frame design was constructed over the new divided highway at Rougemont Drive a short distance east of the Rouge River and one concrete culvert was constructed under the new highway at the east bank of the Rouge Valley.

Highway No. 7

The concrete pavement through Woodbridge (three quarters of a mile) was resurfaced with hot mix asphalt.

Highway No. 12

The old concrete abutments at the C. P. R. crossing a few miles north of Whitby were removed and the banks sloped to clear vision. Skin patching was done from Beaverton to Blackwater.

Highway No. 47

The entire twenty-two miles from Stouffville to Highway No. 12 was gravelled.

Highway No. 88

From Bondhead easterly, just under three miles were stabilized.

Highway No. 90

Mixed macadam base, 21 feet wide, was laid for a distance of eleven miles between Barrie and Camp Borden. The grading was completed on the Angus Diversion and a bridge, concrete superstructure on wooden pile trestles was erected over the Pine River. Two culverts were extended.

Queen Elizabeth Way — Kipling Avenue Overpass, near Toronto

Queen Elizabeth Way — Grade Separation, C. P. R. Crossing near Kipling Avenue

Highway No. 92

The entire road from Elmvale to Wasaga Beach was gravelled and stabilized.

Highway No. 93

The entire road was regravelled.

Queen Street

From Church Street to Brown's Line the existing asphalt pavement was widened four feet.

Queen Elizabeth Way

From Highway No. 2 at the Humber River, to Brown's Line, grading for a divided highway to accommodate two thirty-three-feet roadways and a forty-eight feet centre boulevard was continued. Four new concrete culverts were built and two culverts extended.

Twin bridges of steel and concrete were under construction over the C. P. R. and at Salisbury Avenue and over-pass bridges at Grand Avenue and Kipling Avenue.

Trimming and sodding were carried out from the C. P. R. to Mimico Creek.

A reinforced concrete retaining wall and steel and concrete bridge were under construction at the junction with Highway No. 2.

Twin bridges over the C. N. R. of reinforced concrete and structural steel were also nearly completed.

Thirty-one hundred lineal feet of sewers of various sizes were installed.

Twenty-three miles of road were surface treated and all roads on the Division were kept open for winter traffic.

DIVISION NO. 7 — PORT HOPE

Highway No. 2

Culvert extensions between Belleville and Shannonville were completed and mixed macadam laid on a divided road for a distance of 3.1 miles from Belleville to Point Anne Road, and single highway for 4.3 miles to Salmon River Bridge at Shannonville.

Highway No. 7

Crushed stone was placed on road and in stock pile from Madoc to Actinolite.

Highway No. 7A

A gravel mulch was laid from Port Perry easterly six miles.

Highway No. 35

Mixed macadam was laid on two line revisions north of Lindsay.

The road between Orono and Lindsay had gravel applied.

From slightly over three miles south of Lindsay, gravel mulch was laid southerly for 1.8 miles.

Highway No. 36

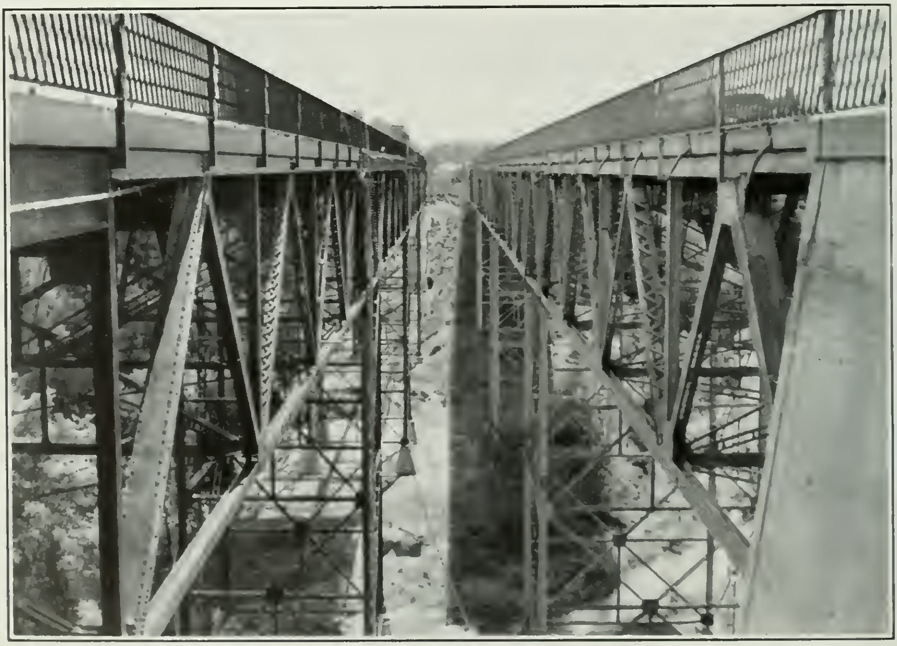
Grading was completed and culverts constructed for a distance of three miles on the section of road between Buckhorn and Bobcaygeon.

Highway No. 37

Crushed stone was applied from end of pavement north of Corbyville to Actinolite.

Highway No. 41

Some stabilizing was done between Picton and Cole's Ferry.



Divided Highway Construction, Highland Creek Bridge — Highway No. 2

Queen Elizabeth Way — Grade Separation, C. N. R. Crossing, West of Toronto

Highway No. 45

Crushed gravel was applied between Baltimore and Norwood.

Mining Roads

Grading operations were carried out on several mining road projects.

About 30 miles of road were surface treated. All King's Highways were kept open for winter traffic on the division and important secondary roads were ploughed when possible.

DIVISION NO. 8 — KINGSTON

Highway No. 7

Filling operations were carried out at five sink holes between Mountainview and Arden, a feature of this work was the blasting of the fill material, which was sand, into place with dynamite. This method gave very satisfactory results.

Highway No. 33

A steel and concrete bridge was erected in Parrott's Bay at the site of the old Floating Bridge.

Highway No. 41

Grading south of Erinsville was completed and the surface gravelled.

St. Lawrence River Divided Highway

The grading from Crystal Beach to Mallorytown was completed and opened to traffic. At Jones Creek the substructure for a new bridge was built, ready to receive the superstructure. Work was started on a rock fill for a bridge at Landon's Bay, about three miles east of Gananoque.

A light bituminous mulch pavement was laid on the approaches to the Canadian span of the Thousand Islands Bridge and across Hill Island, also around the Customs and Immigration Buildings.

Considerable crushed material was placed on gravel roads, all of which were treated with dust layer. Forty-nine miles of hard surfaced roads were surface treated and all highways in the division, except on Wolfe Island, were kept open for winter traffic.

Division No. 9 — Ottawa

Highway No. 17

In the Town of Pembroke the widening, with reinforced concrete, of a three-arch stone masonry bridge over the Muskrat River was carried out. This eliminated a danger point.

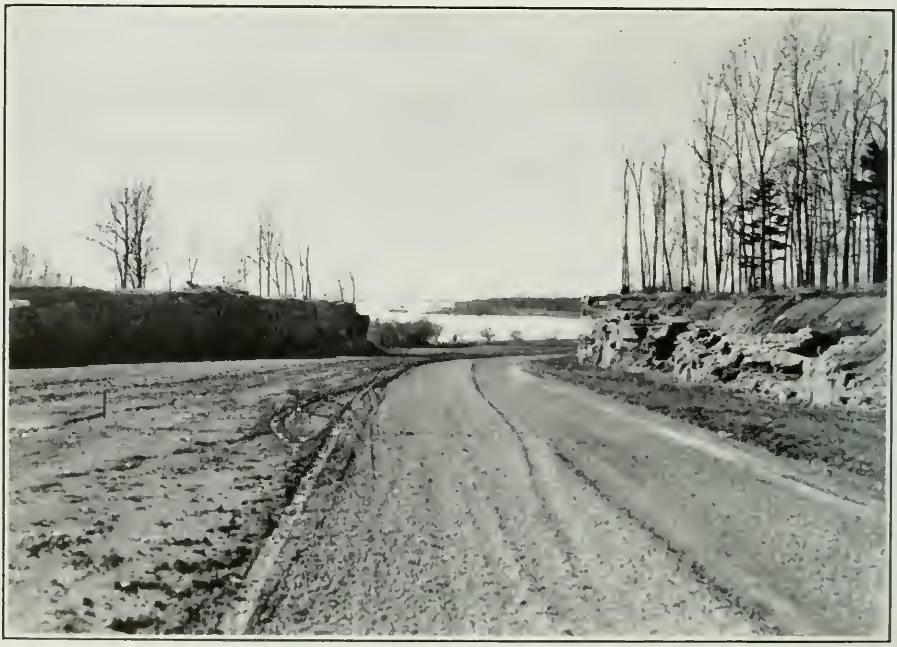
In the vicinity of L'Original, two diversions were graded and surfaced with traffic bound macadam. These diversions were of divided lane construction with one-hundred-and-fifty-foot right-of-way.

Highway No. 31

Grading operations started in 1937 north and south from Vernon were completed and all new grading surfaced with crushed stone.

Highway No. 34

Four miles of concrete pavement were laid northerly from McCrimmon. A gravel mulch surface (road mix) was constructed over the old right-angle turn at McCrimmon by Departmental forces.



Divided Highway Construction — St. Lawrence River Road, West of Brockville

Highway No. 17, West of Nipigon

Highway No. 43

Some road mix mulch surface was laid west from Alexandria.

Slightly over thirty-eight miles of road were surface treated and all roads in the division kept open for winter traffic.

DIVISION NO. 10 — BANCROFT

Highway No. 41

A bridge was erected over Constant Creek and both approaches graded.

Highway No. 60

Crushed gravel was applied from Carson Lake to Madawaska.

Highway No. 62

Crushed gravel was applied between Madoc and Bannockburn and also west from Pembroke for fifteen miles.

Secondary Roads

Grading was carried out by Departmental forces between Killaloe and Brudenell and also east from Killaloe on the Round Lake Road.

A mulch surface was laid on the connecting links through the villages of Bancroft, Barry's Bay, Killaloe and Eganville.

Dust layer was applied on all gravel. Three hundred miles of highway were kept open for winter traffic.

Highway No. 60 at Two Rivers Lake, Algonquin Park

DIVISION NO. 11 — HUNTSVILLE

Highway No. 11

One and one-half miles at north end of Beaver Creek revision was gravelled and mulched. The grade, ditches and right-of-way were trimmed on uncompleted work from six and one-half miles to nine miles south of Huntsville.

Highway No. 35

Crushed gravel was placed between Dwight and Hall's Lake, four and one-half miles of mulch surface was laid between Dorset and Miner's Bay.

Highway No. 60

Twenty-eight miles of gravelling was done from Highway No. 35 to Algonquin Park Headquarters.

Highway No. 69

Crushed gravel was placed from two miles north of Bala to the north boundary of Muskoka District.

On secondary roads some crushed gravel was applied and a mile of mulch was laid through the Village of Haliburton.

Twenty-eight miles of road were surface treated and 331 miles of highway kept open for winter traffic.

DIVISION NO. 12 — PARRY SOUND

Highway No. 11

The four and one-half mile revision south of Trout Creek was completed and surfaced with crushed gravel.

Highway No. 69

The grading of the revision north from Hayes Corners was completed, gravel surfaced and opened to traffic early in the year. The grading between Naiscoot River and Britt was completed and gravel surfaced.

On secondary roads, grading operations were carried out on important realignments, two concrete beam bridges were widened and the sub-structure for a ninety-foot steel span over South River was erected.

All gravel roads were treated with a dust preventive; 130 miles of King's Highway and 220 miles of secondary roads were kept open for winter traffic.

DIVISION NO. 13 — NORTH BAY

Highway No. 11

Ten miles of hot-mix pavement was laid north from North Bay consisting of a three-inch base and one inch top course.

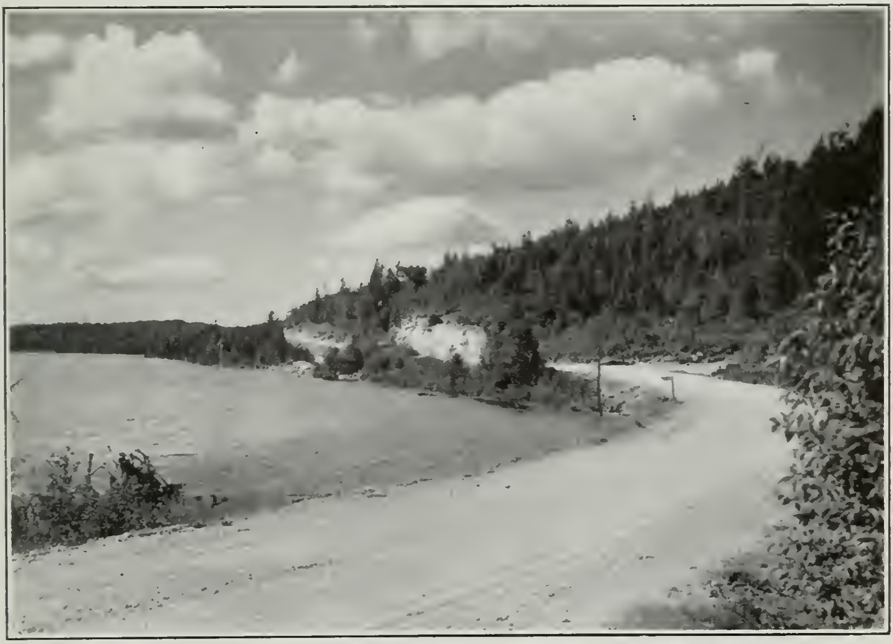
Crushed gravel was applied from Mile 10 to Mile 27.6 north of North Bay.

Heavy grading operations were carried out between Mile 27.6 and the north limits of Nipissing District, a distance of eleven and one-half miles. Work was started on the abutments for Marten Lake Bridge.

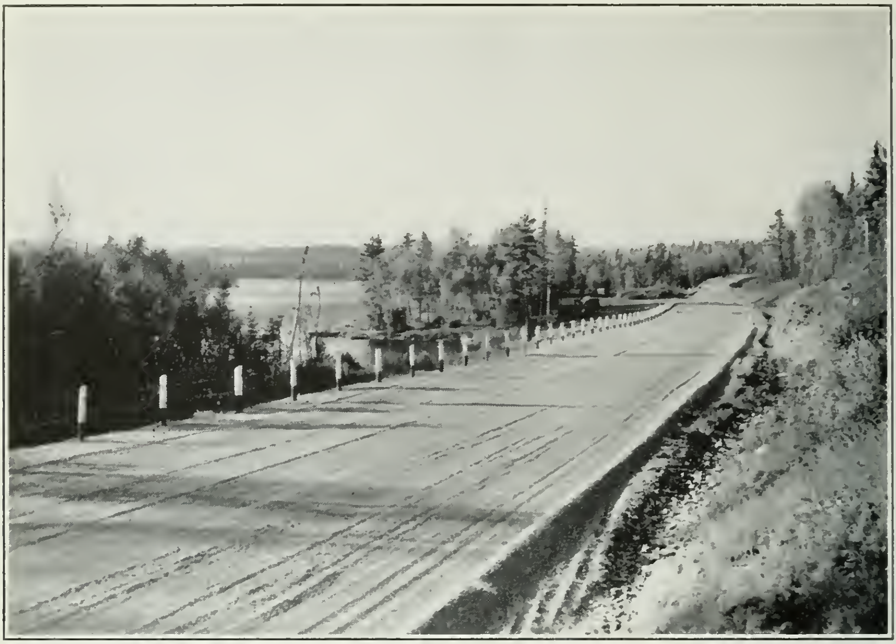
Highway No. 17

Ten miles of hot mix pavement was laid from Chalk River westerly consisting of a two-inch base course and one-inch top.

Grading operations were carried on between Mattawa and Bissett's. Duchesnay Creek Diversion (2 miles) west of North Bay was completed. The culverts and rock work between Sturgeon Falls and Verner were finished.



Highway No. 60 at Cache Lake, Algonquin Park



Highway No. 11 at James Lake, Timagami Park

Highway No. 63

The diversion between Feronia and Zero was completed, eliminating two railway crossings.

Highway No. 64

Crushed gravel was placed between Field and the Junction with Highway No. 11. The Sturgeon Falls-Field Diversion eliminating two railway crossings was completed except for the trimming.

Airport Road

A new road was built for a distance of three miles from No. 11 Highway to North Bay Airport.

Two railway crossings were eliminated between Field and River Valley and several grading operations were carried out on Mining Road Projects.

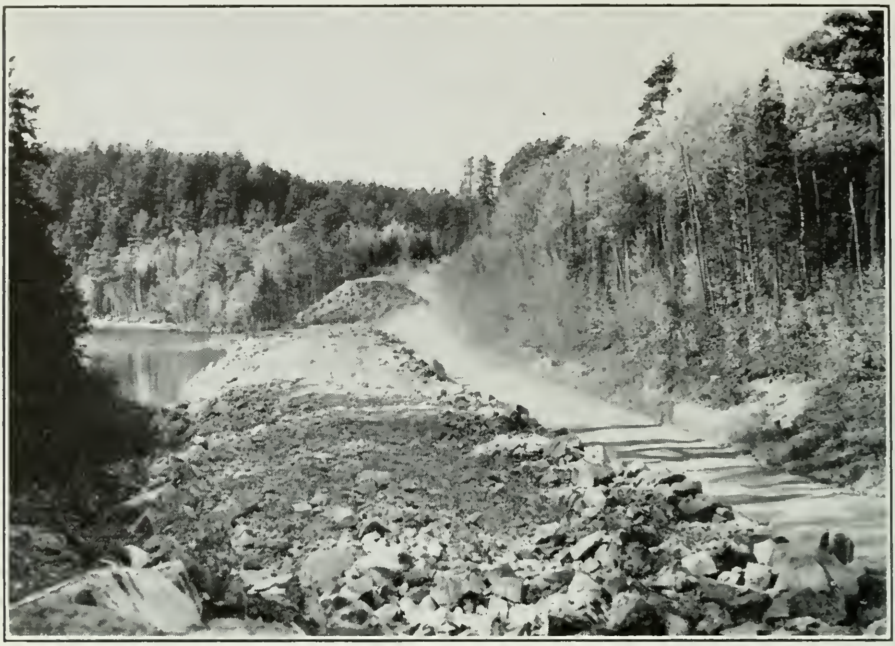
Slightly over fourteen miles were surface treated and 400 miles kept open for winter traffic.

Division No. 14 — New Liskeard

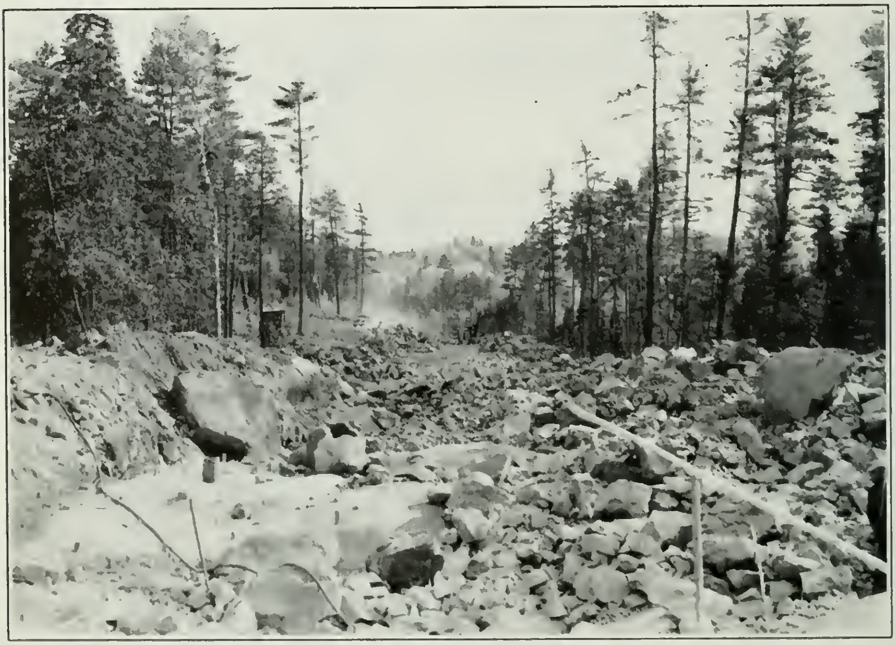
Grading operations were carried out from south limits of Timagami District north to Timagami, a distance of 21 miles, of which 7 miles from Timagami south were opened for traffic.

North of New Liskeard considerable work was done at Calamity Gulch and 14.5 miles of mixed macadam laid between New Liskeard and Englehart. On the Diversion north of Englehart $1\frac{3}{4}$ miles mixed macadam base course was laid and grading operations were carried out as far as Kenogami.

TYPICAL ROADSIDE PARK — HIGHWAY No. 61 AT MIDDLE FALLS, PIGEON RIVER



Grading, Highway No. 11 — Fill at Herridge Lake, Timagami Park



Grading, Highway No. 11 — Rock Cut near Herridge Lake, Timagami Park

Highway No. 65

A new bridge was erected across the Wabi River three miles west of New Liskeard.

Mining Roads

On the Elk Lake-Gowganda-Westree Road considerable realignment was done and five mining road projects had work done on them under agreement with the Federal Government.

Two hundred and ninety miles of road were kept open for winter traffic. The fall of snow was remarkably light during the year 1939 and 1940.

Division No. 15 — Matheson

New Highway — Timmins to Highway No. 11

With the completion of 5 miles of concrete pavement, except for the gap at Schumacher Overhead, the pavement is continuous from Timmins to Pamour. The overhead bridge and grading of approaches at Schumacher were also completed, eliminating a very dangerous railway crossing. Heavy grading operations between Matheson and Pamour, a distance of thirty-six miles, were carried out and while this road is not trimmed it was opened for traffic and affected a saving of ten miles between Matheson and Timmins.

The Frederickhouse River Bridge having a main span of two hundred and fifty feet was completed and a bridge was erected over the Porcupine River. A two-mile diversion was graded west of Matheson which eliminated two crossings of the T. & N. O. Railway. A Department scale was placed in operation at the outskirts of South Porcupine on Highway No. 67. On the section between Porquis Junction and Iroquois Falls some work was done on general improvement and grading. Grading was completed between the Overhead Bridge in Otto Township and the Kirkland Lake pavement, Highway No. 11. Grading was also completed from Kirkland Lake Wye to the Golf Club.

A number of roads were constructed into Mining Projects and considerable work was done in the unorganized townships.

The roads from the south were kept open for winter traffic to the towns of Iroquois Falls and Timmins, with the exception of a few weeks in the new year.

Division No. 16 — Cochrane

Highway No. 11

The floor was laid on the Ground Hog River Bridge and the approaches completed. A bridge over Lost River was also completed.

Gregoire Mills Bridge was completed with the erection of the hand rail and some grading on the approaches. A bridge and culvert were erected in Kendall Township.

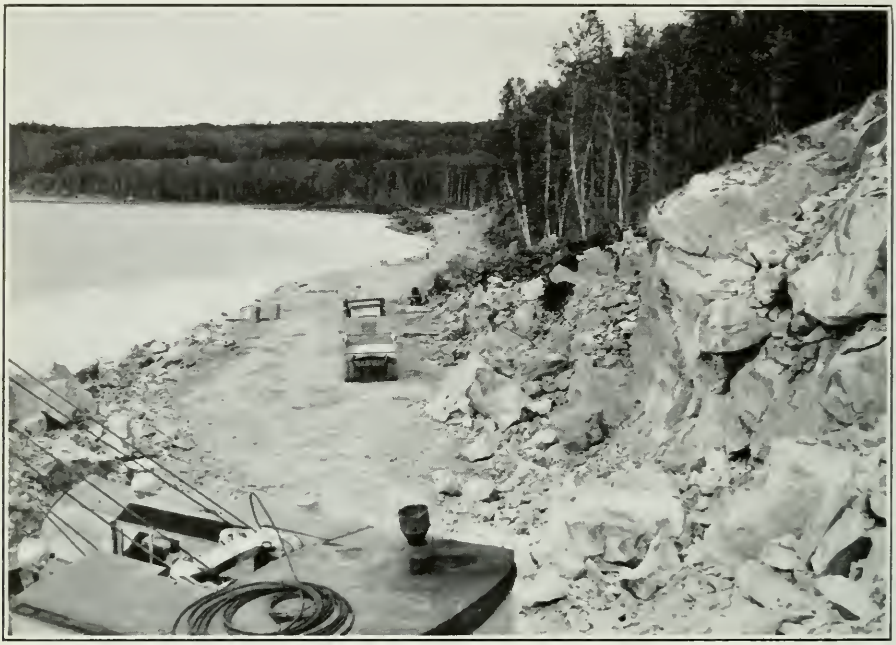
Gravel mulch was laid south from Cochrane for four miles.

Considerable work was done on secondary roads.

Division No. 17 — Sudbury

Highway No. 17

A contract for concrete pavement was awarded east of Sudbury for six and one-half miles. Considerable grade revision was carried out and 2½ miles of concrete pavement completed.



Grading, Nipigon-Geraldton Highway — Rock Cut at Helen Lake

Grading, Nipigon-Geraldton Highway — Rock Cut at Helen Lake

Concrete Pavement, Highway No. 67 at Timmins

The grading between Coniston and Wanapitei River was completed, this section required the moving of a considerable quantity of material. A concrete overhead structure was erected to take the grade over the Canadian Pacific Railway tracks one mile east of Coniston.

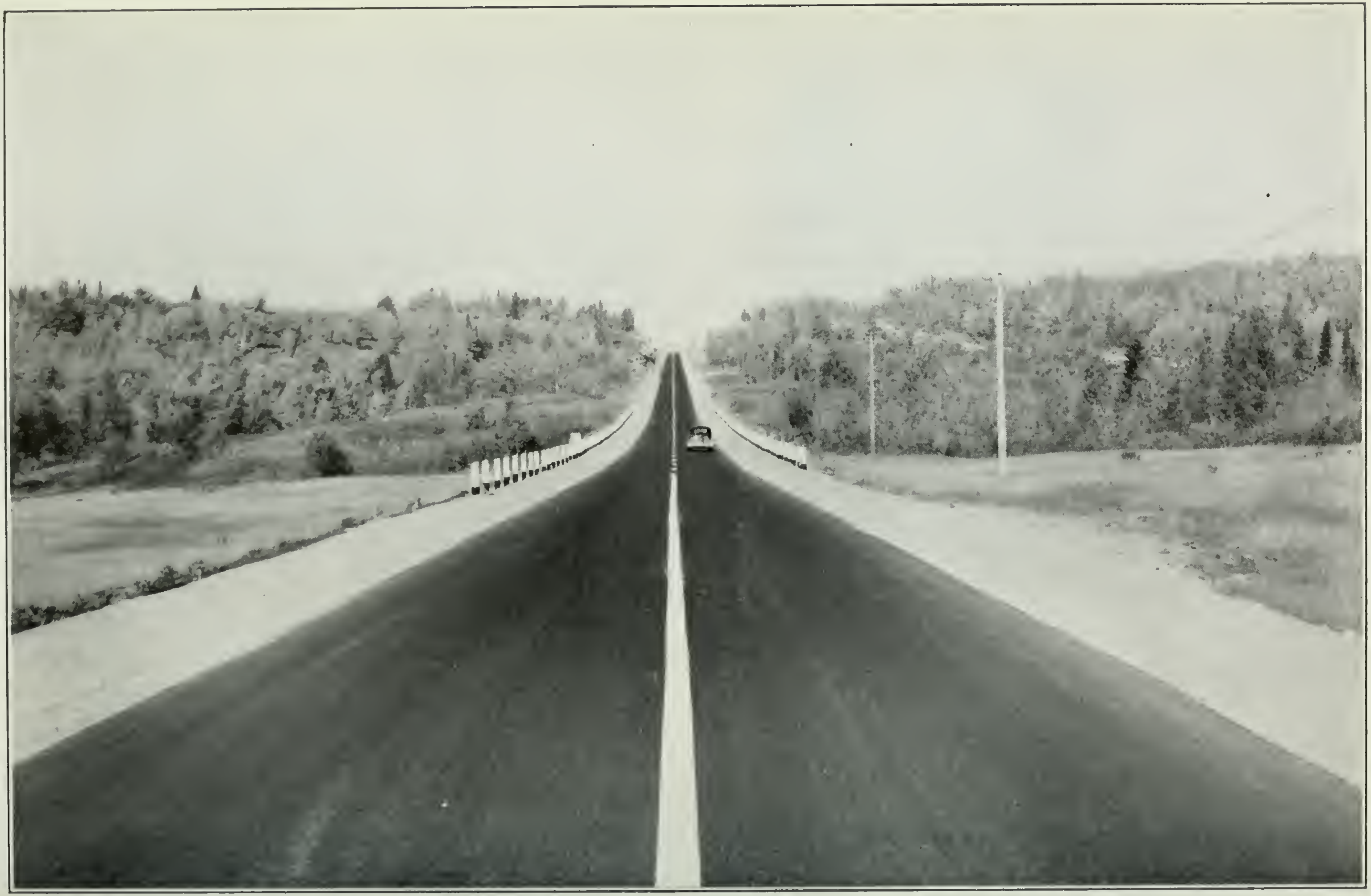
A two-hundred-and-sixty-five-foot concrete bridge was built over the Wanapitei River.

From Wanapitei East, $3\frac{3}{4}$ miles of concrete ten feet in width was widened to twenty feet and an additional four miles of concrete pavement was laid easterly.

Grading between end of concrete and Hagar was completed as far as the C. P. R. one mile west of Markstay where an overhead reinforced concrete structure 550 feet long was partially completed.

West of Sudbury the road was surface treated to Copper Cliff, through Copper Cliff a four-inch penetration was laid in conjunction with the town, this pavement was laid on a bed of slag with very good results.

Three miles of mulch was laid between Copper Cliff and Vermillion River.



MIXED MACADAM PAVEMENT — HIGHWAY No. 11, NORTH OF NORTH BAY

Sudbury-Levack Road

From Azilda north about four and one-half miles of mulch pavement was laid and several grade revisions carried out.

Considerable crushed gravel was placed on secondary roads.

Five desirable park sites were obtained and brought under control of the Department, for the benefit of the public and the tourist traffic of the future.

Two and one-half miles of road were surface treated and two hundred and forty miles of highway kept open for winter traffic.

DIVISION NO. 18 — BLIND RIVER

Highway No. 17

Three and six-tenths miles of concrete pavement were laid north of Echo Bay and three miles north of Pine Island.

Concrete pavement was also laid for five miles east from Blind River.

Concrete Pavement, Highway No. 67 at Porcupine

Lost River Bridge, Highway No. 11, North of Kapuskasing

One mile of grading east of Walford was completed, the grading and culverts between Cutler and Serpent River were completed.

Two rock cuts west of Blind River partially excavated during the preceding winter were finished. The grading and culvert construction between Mamainse and Montreal River were completed.

A one-hundred-and-forty-foot steel bridge was erected at Root River and the Echo Bay Bridge completed.

A large quantity of crushed gravel was applied on this highway.

Some work was done on mining roads and improvements carried out on many secondary roads.

Most of the highways in this division both King's Highway and secondary roads were kept open for winter traffic.

DIVISION No. 19 — FORT WILLIAM

Highway No. 17

Nine miles of gravel mulch were laid between Nipigon and Port Arthur. Two bridges were built over North and South Trout Creek by Departmental forces. A number of culverts were replaced.

Highway No. 61

South from Fort William a three-inch hot mix pavement was laid on the old retread for a distance of twelve miles, and south to the International Boundary about seventeen miles the road was surface treated.

Nipigon-Geraldton Highway

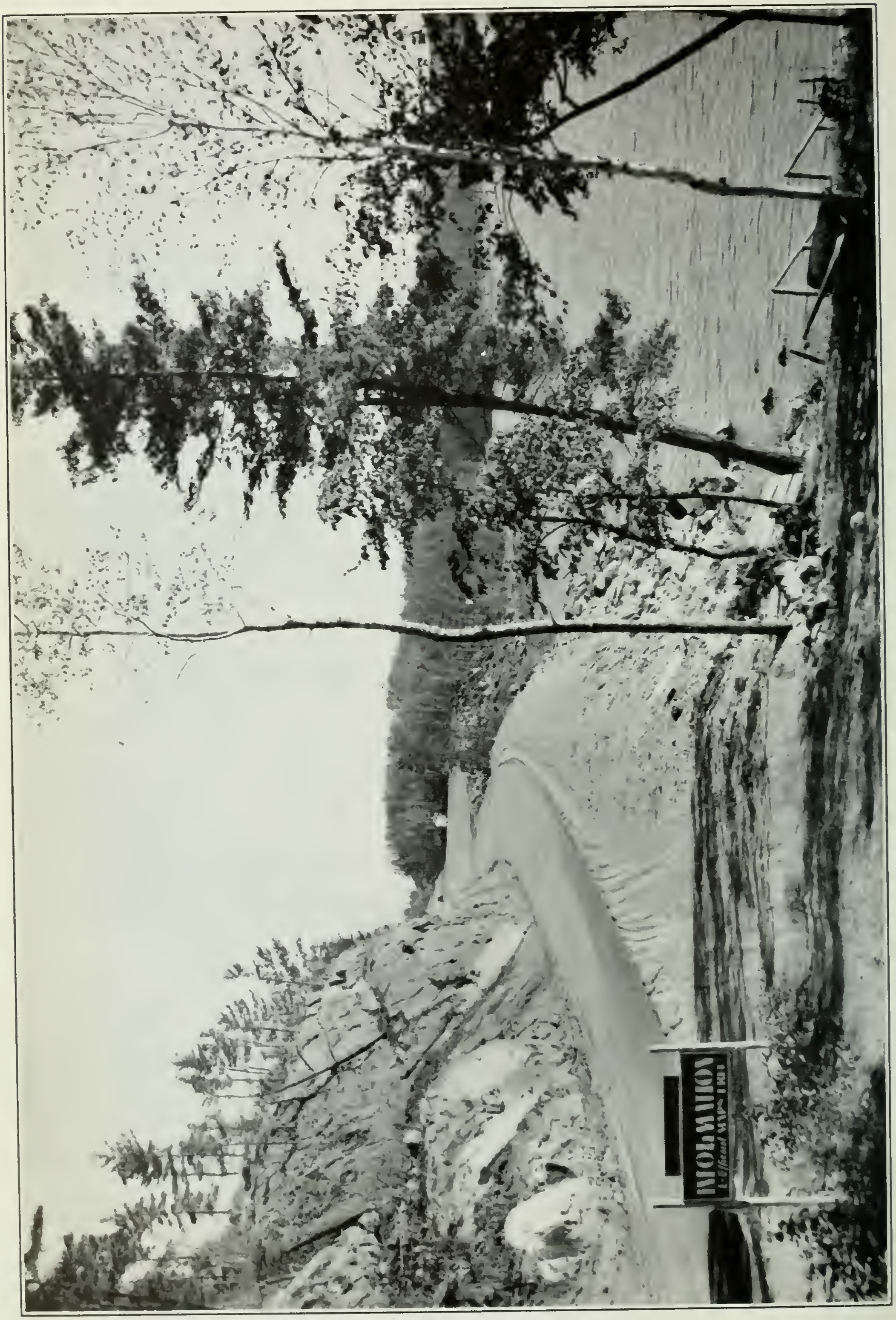
Heavy grading operations were carried out on this road with the result that during the past winter, it was possible to drive from Nipigon to Geraldton.

A good deal of work was done on secondary and mining roads.

A location line was run between Long Lac and Hearst.

Practically all roads in the division were kept open for winter traffic, very little snow plowing being necessary owing to the exceptionally light fall of snow.

Grading, Highway No. 70 — Rock Cut, North of Nestor Falls



GRADING, HIGHWAY No. 70 — FILL AT LAKE OF THE WOODS, NORTH OF NESTOR FALLS

Highway No. 60 at Two Rivers Lake, Algonquin Park

DIVISION NO. 20 — KENORA

Highway No. 17

One and a half miles of new road were graded twenty miles east of Kenora. Crushed gravel was applied from Longbow Corners easterly for thirty-five miles.

Highway No. 70

Twelve miles of new grading were completed north from Nestor Falls and a fifty-foot rigid frame reinforced concrete bridge completed over Nestor Falls.

On secondary roads several operations were carried out, including the approaches to Middle Lake Bridge. Grading operations were also carried out on several mining road projects under agreement with the Federal Government.

All King's Highways with the exception of No. 17 from Vermilion Bay to Longbow Corners and English River to Ignace were kept open for winter traffic. Secondary and some important township roads were kept open when possible.

DIVISION NO. 21 — FORT FRANCES

Highway No. 70

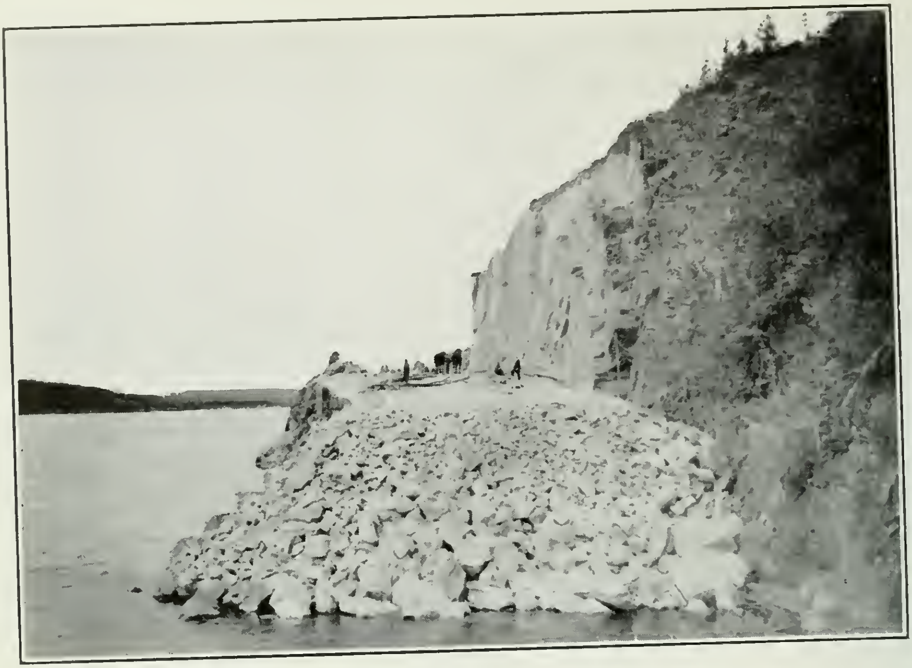
Grading operations were completed on a twelve-mile section south from Nestor Falls and on five miles further south clearing and grading operations were started.

Highway No. 71

The shouldering and trimming along the mixed macadam pavement between Fort Frances and Devlin was completed. Gravel mulch was laid for two miles west from Sleeman.

Some work was done on Mining Road Projects and considerable work on secondary roads, made up of gravelling and the replacement of old bridges.

Three hundred and forty miles of road were kept open for winter traffic.



Grading, Nipigon-Geraldton Highway — Rock Cut at Helen Lake

Grading, Highway No. 70 — Rock Cut, North of Nestor Falls

REPORT ON BRIDGE CONSTRUCTION UNDERTAKEN BY THE HIGHWAYS DEPARTMENT AND COMPLETED DURING THE YEAR 1939

Arthur Sedgwick, Chief Bridge Engineer

During the year a total of 9,542 lineal feet of bridges was completed by the Department, among which were a number of important structures, which are briefly noted below on account of their size or advanced design.

C. P. R. Overhead on Queen Elizabeth Way

This is a grade separation project consisting of a series of reinforced concrete slab spans on concrete bents with a total length of 300 feet. The balance of the structure is made up with earth fill approaches.

Echo Bay Bridge

This is a steel beam bridge consisting of a 65-foot navigable centre span and two 43-foot side spans forming anchors and cantilevers to support a 40-foot suspended portion in the 65-foot centre span. The spans rest on creosoted timber pile piers and bents. An additional 20-foot span was placed at each end. No abutments are used. The location is on Highway No. 17, east of Sault Ste. Marie.

Chippawa Creek Bridge

This bridge is on Highway No. 17 north of Sault Ste. Marie and consists of a 100-foot span concrete arch with earth-filled spandrels.

Fifteen and Sixteen Mile Creek Bridges

These are on the Queen Elizabeth Way in Louth Township. These bridges are located in earth fills over peat-filled lagoons at the mouths of both creeks. The earth fill was dynamited to the bottom of the muck. The bridges were designed as three spanned continuous steel rigid frame girders with steel columns resting on piled foundations. Owing to the earth fill not fully replacing the muck bottom there developed a movement of the same and it became necessary to extend the bridges at each end so as to keep the earth end slopes as flat as possible. This was done by driving steel pile bents and extending the bridge with 20-foot steel girder spans.

Frederickhouse River Bridge

The controlled water level of this river widens the waterway to a width of some 900 feet. A 250-foot truss span was constructed to provide facilities for towing pulp log booms down the river. The bed of the river is clay of varying degrees of softness overlying bed rock some 60 feet below water level. The water itself was about 10 feet deep. The great expense of building the pier foundations for this long span by the usual method of cofferdamming and unwatering operations was avoided by using 12-inch steel H-columns for steel piles which were driven to bed rock and were long enough to project above the water level. The piles were then surrounded by reinforced concrete placed under water from the river bottom upwards. The reinforced concrete piers were then continued upwards and joined near the top to form a concrete bent instead of a solid concrete pier.

Highland Creek Bridge

The existing bridge on Highway No. 2 is 36 feet wide. This was not wide enough to accommodate the new four-lane dual highway now constructed to this point. Accordingly an additional structure 36 feet wide was built beside the existing structure to allow the dual highway to be continued eastward without contraction for deviation of the same. A novel feature of the construction is the principal of composite construction between the concrete floor slab and the steel top chord. The floor slab is therefore utilized to relieve the steel top chord of part of the live load stresses. The floor stringers were also made continuous over the tops of the floor beams and were spaced 10 feet apart.

Henley Course Bridge

This structure is on the Queen Elizabeth Way and spans the old Welland River near St. Catharines. It consists of a series of reinforced concrete arches up to 150 feet in length. Above the roadway the structure has been embellished with symbolic stone work at each end.

Port Stanley Bridge (King George VI)

This structure is a bascule lift span over Kettle Creek at the southern end of Highway No. 4. It consists of two 85-foot leaves which provide for a boat channel with a clear width of 150 feet. The lifting mechanism is electrically operated. There is a 30-foot roadway with two 6-foot sidewalks. A unique feature is the open grid steel floor for both roadway and sidewalks. This steel gridwork provides a strong but lighter floor and at the same time prevents snow and ice accumulation and lessens wind resistance when the bridge is being opened. This is the first installation of this type of floor in Canada.

Mimico Creek Bridge

This is a triple span rigid frame concrete girder and slab structure on Queen Elizabeth Way consisting of a central span of 80 feet with 40-foot flanking spans. The girders are supported on concrete legs which rise from solid piers reaching up to high water mark.

Muskrat River Bridge

This structure is on Highway No. 17 in the town of Pembroke. It is a reinforced concrete extension to three concrete arches which were built in the year 1887.

Wanapitei River Bridge

This structure is on Highway No. 17. It consists of a series of steel beam spans supported on steel and concrete bents. The water is controlled at this point at a level about 20 feet deep. The river bed consists of up to 60 feet of mud above bed rock. Hollow steel column piers were formed of 12 pieces of sheet piling driven to rock. The interior of the pier above the top of the mud was then filled with concrete. The steel piles thus provided the supporting power above the rock while the concrete served to stiffen the piling and to unite the 12 pieces of piling into a monolithic unit.

Several twin concrete rigid frame structures were built over Queen Elizabeth Way to provide grade separations.

Plans were prepared and work supervised for various permanent structures required by northern organized township councils, which have jurisdiction over all structures within the township but for which the Department provides the major share of the cost.

Plans were also examined and approved for all structures undertaken by counties and townships in Old Ontario.

A complete list of all structures completed by the Department during the year is shown in Appendix No. 4.

1939

REPORT UPON THE WORK OF THE MUNICIPAL BRANCH FOR THE YEAR 1939

J. A. P. Marshall, Chief Engineer of Municipal Roads

The notable feature of this season's work has been the general adoption of methods which up to the present time were more or less in the experimental stage. In many counties and townships the laying of a system of all-weather road surfaces has been started with the definite programme of placing a dustless surface on all main roads in a set period of years. Using the type of low-cost construction best adapted to local needs and materials available, the municipalities have followed the practice recommended by the Minister of Highways early in the year. More than 150 miles of this type of surfacing has been laid, notably in the counties of Kent, Norfolk, Stormont, Dundas and Glengarry, Oxford, Huron, Lambton and Leeds and Grenville.

Having a long term programme of construction has emphasized the necessity of preparing the base on which the low-cost pavements may be laid. Shaping and consolidation of the sub-grade has been more widely recognized as a vital part of the work and during the past year many miles of grade have been prepared for next season's paving.

Maintenance work during 1939 has shown a similar tendency to put experimental methods into general use. In co-operation with the Ontario Department of Agriculture, a determined effort is being made to wipe out the noxious weeds from the roads of the province. Weed control by chemical means has become an important part of the municipalities' road programme. The past year has seen a great increase in the mileage of road kept open for winter traffic. Improved snow fighting equipment and the increased use of snow fence has made this possible. It is now generally recognized that for snowplows to work efficiently, the road grade must be as wide and straight as economically possible. Thus construction methods have been adapted to a new maintenance need.

County Roads

Since the passing of The Highway Improvement Act in 1901 and to the end of 1939 a total of $144,291,907.44 has been expended on construction and maintenance of county roads, of which the Province has contributed $68,385,148.24. This includes the county expenditure during 1939, on which the provincial subsidy was paid in 1940.

At the end of 1939 the Province was paying subsidies to the counties on 8,325 miles of county roads — approximately 15 per cent. of the total road mileage in the area covered by the County Road System.

Expenditure on county roads in 1939 was as follows:

	Total Expenditure	Provincial Subsidy
Construction:		
County Roads	$ 2,321,839.86	$ 1,160,919.98
Maintenance:		
County Roads	$ 2,453,269.15	$ 1,226,320.85
Total Expenditure	$ 4,775,109.01	$ 2,387,240.83

Construction Work

The work on which the above expenditure for construction was made included the following:

Gravel or Stone	259.62	Miles
Surface-Treated Gravel or Stone	76.21	"
Low-Cost Bituminous Surfaces	160.77	"
Mixed Macadam and Asphaltic Concrete	3.23	"
Cement Concrete	2.40	"
Total	502.23	"
Bridges Over 10-Foot Span	42	
Pipe and Tile Culverts	1,635	
Other Culverts	83	

A detailed list of the important work undertaken by the various counties and townships is found further in this report grouped in districts.

Maintenance Work

Bituminous Surface Treatment	505	Miles
Dust Prevention Treatment (oil)	117	"
Dust Prevention Treatment (calcium)	1,577	"
Clay-Gravel Stabilization (calcium)	177	"
Gravel and Crushed Stone Resurfacing:—		
(a) Pitrun Gravel Applied	209,274	Cu. Yds.
(b) Crushed Gravel Applied	723,402	"
(c) Crushed Stone Applied	77,422	"
Snow Removal — Season 1939-1940: —		
(a) Mileage of Road Kept Open with Mechanical Equipment	6,628	Miles
(b) Snow Fence Erected	1,003	"

County Suburban Roads

The mileage of suburban roads is 757.52 miles. The expenditure at the end of 1939 amounted to $27,497,233.35, of which the cities and separated towns have contributed $7,224,214.26, or five per cent. of the total expenditure made on the County Road System.

In 1939 the expenditure on County Suburban Roads was $832,788.50, of which the Province contributed $416,394.25 and the cities $210,728.35.

EXPENDITURES ON SUBURBAN ROADS — 1939

Name of County	Mileage	Totals	Government Grant 50%
Brant	26.40	35,122.72	17,561.36
Carleton	90.00	120,776.77	60,388.38
Elgin	18.30	13,191.23	6,595.61
Essex	37.50	18,654.15	9,327.07
Frontenac	28.50	28,087.19	14,043.60
Grey	32.50	28,185.70	14,092.85
Kent	9.50	12,324.57	6,162.28
Lambton	14.50	7,187.50	3,593.75
Leeds and Grenville:			
Smith's Falls	5.12	8,432.47	4,216.24
Brockville	6.25	7,876.13	3,938.06
Lincoln	12.30	4,754.84	2,377.42
Middlesex	40.50	18,527.53	9,263.77
Ontario	13.50	10,477.10	5,238.55
Oxford	3.95	10,336.12	5,168.06
Perth	7.50	5,906.25	2,953.13
Peterborough	58.35	38,844.66	19,422.33
Waterloo:			
Kitchener	9.25	7,566.20	3,783.10
Galt	6.00	8,611.64	4,305.82
Welland:			
Niagara Falls	9.90	2,904.49	1,452.24
Welland	7.00	26,892.45	13,446.23
Wellington	23.50	9,246.59	4,623.30
Wentworth	56.00	60,539.40	30,269.70
York	241.20	348,342.80	174,171.40
TOTALS	757.52	832,788.50	416,394.25

DISTRICT NO. 1 — *Counties of Essex, Kent and Lambton.*

Essex — Construction for the year consisted of 3 miles of 20-foot, low-cost, plant-mixed bituminous mulch pavement south of Combra on Road No. 12; 2 miles of similar type on Road No. 6 west of Stoney Point and 1 mile on Suburban Area Road No. 4 at the Dominion Golf Course. One mile of heavy grading was completed on Road No. 3, Point Pelee, and 7.50 miles graded to standard width on other roads in the system. A total of 32 corrugated iron pipe culverts were installed. One concrete bridge and 3 concrete culverts were built and 4 concrete culverts and 2 concrete bridges were extended. Five miles of new grade was resurfaced with pitrun gravel.

Maintenance provided for applying calcium chloride to 50 miles of road and oil to 9 miles for dust prevention. Fourteen thousand cubic yards pitrun gravel was used for resurfacing and the entire system of 237 miles was kept free of snow during the season by mechanical equipment.

Kent — During the year 32 miles were graded to county standard. In some places the alignment was changed and the profile improved considerably. Twenty miles of plant-mixed bituminous pavement was laid, of low cost type, using gravel on various roads as follows: No. 4, south from Tilbury to existing pavement, 5.5 miles; No. 36, south from No. 2 Provincial Highway through Fletcher, 3.0 miles; No. 16, easterly through Highgate, 7.0 miles; No. 32, near Bothwell, 1 mile, and from Mitchell's Bay south on No. 34 to the existing pavement, 3.5 miles; 1.5 miles of concrete 20 feet wide was laid on Road No. 29 north of Ennett, and 800 feet 20-foot concrete was laid on No. 1 south of Wheatley; 8.5 miles of new grade was resurfaced with pitrun gravel and 32 corrugated pipe culverts were installed; 5.0 miles were given bituminous surface treatment and 1 mile was treated with calcium chloride for dust prevention. During the year 9,000 cubic yards of pitrun gravel and 19,000 cubic yards of crushed gravel was applied resurfacing. Two hundred and ninety-six miles was kept free of snow by mechanical equipment.

Lambton — During the year 5.44 miles road-mixed bituminous gravel mulch pavement were laid and 0.50 miles were given double surface treatment; 5.15 miles were graded to county standard and 10 corrugated iron culverts were installed; 5 concrete culverts and 3 concrete bridges were repaired and widened; 7.5 miles of new grade was surfaced with gravel.

Ten thousand five hundred cubic yards pitrun gravel, 2,400 cubic yards crushed gravel and 5,600 cubic yards crushed stone were used resurfacing; 1.35 miles were given bituminous surface treatment; 1.75 miles were treated with oil and 2.00 miles treated with calcium chloride for dust prevention; 2.25 miles were given salt stabilization and 1.50 miles were stabilized with clay and calcium chloride; 3 miles of snow fence was erected and 190 miles were kept free of snow by mechanical equipment.

DISTRICT NO. 2 — *Counties of Elgin, Middlesex, Norfolk and Oxford.*

Elgin — A retaining wall was constructed at Roloson Hill, in the Township of Bayham, Road No. 38. A cement box culvert was replaced together with the necessary grading and realignment of three quarters of a mile of roadway, using crushed stone surfacing Road No. 30 in the Township of Yarmouth.

A ribbed rigid frame bridge was constructed, also a new cement culvert at Clencolin in the Township of Malahide on Road No. 40; replaced cement culvert at Cowal Cemetery in the Township of Dunwich, Road No. 11.

One and one-quarter miles of bitumuls emulsion was laid at New Glasgow, Road No. 3, in the Township of Aldborough; 1½ miles of gravel mulch pavement at Copenhagen, Road No. 42, Township of Malahide; 1½ miles of asphalt plant-mix was laid by the Suburban Area Commission on Road No. 30, Township of Yarmouth.

Calcium chloride and oil dust layer was used on about 50 miles of gravel roads. General maintenance work was carried out throughout the county, with the purchasing of two power graders, the roads were kept in a good state of repair.

Norfolk — 5.1 miles of new construction were completed during season to modern grades and width; 65.6 miles of road were surface treated and 1.0 miles of low-cost road mix was completed. Maintenance was carried out extensively over the whole county road system.

Middlesex—31.5 miles of new constructed road were completed during season; 1.0 miles was surface-treated, 12 bridges were widened and strengthened and 109 pipe culverts installed.

Oxford — One county boundary bridge was replaced with a new structure on a new location to improve the alignment of the road and straighten the stream course; 18.3 miles graded to 30-foot grade, necessitating heavy hill cutting X-fills, same surfaced with crushed gravel, 12.35 paved with 3-inch top 20 feet wide; 4.6 miles of bituminous road surface treated; 35.0 miles of gravel road resurfaced; 90.0 miles treated with dustlayer.

DISTRICT NO. 3 — *Huron, Perth, Waterloo and Wellington.*

Huron — This county went in for extensive heavy grading and completed 23 miles, bringing hills and approaches to bridges to proper grade and cross-section. Ten miles of asphalt mulch surfaces were put on the prepared base. This work was very satisfactory and the cost was low. Thirty-two pipe culverts were installed, 4 concrete culverts built and 5 small bridges over 10-foot span. One crawler type Diesel tractor with snow plough and 1 bull grader to work with same were purchased; also 1 roller and 3 other snow ploughs for trucks. The roads were well maintained with power maintainers and trucks with blades. Sixty-five miles of road were treated with calcium chloride. Forty-one thousand cubic yards of crushed gravel were used, and 22 miles of snow fence erected.

Perth — Grading was completed on 5¼ miles of road, 28 pipe culverts were installed, 5 concrete culverts built and 2 bridges over 10-foot span.

Bituminous double surface treatment was put on 20 miles of road and one-half mile of tar retread built. One tandem Diesel power maintainer was purchased for use on construction and maintenance, also 1 four-wheel-driven truck.

Roads were maintained with the use of power maintainers and 142 miles of road resurfaced with gravel. One hundred and fifty-three miles of road kept clear of snow. This is the first year Perth County has undertaken snow removal. Thirty miles of snow fence were erected.

Waterloo — Grading to proper grade and cross-section was done on 9.5 miles of road; 128 pipes installed, 3 concrete culverts built, and 1 extension of a bridge; 3.25 miles of road were double surface treated, and 13.25 miles of road were stabilized with clay, gravel and calcium chloride; 8.2 miles of road were surface treated and 3 miles treated with oil. Sixty-four miles were treated with calcium chloride. The whole county road system was excellently maintained with power maintainers, and trucks with blades; 33.146 cubic yards of gravel were used.

Wellington — Grading to proper grade and cross-section. Gravelling was completed on 22 miles of road and 8 miles were widened. Three hundred and sixty pipe culverts and 280 entrance culverts were installed and 1 concrete culvert was built.

Five and three-quarter miles of bituminous low-cost surface was put down on well prepared base, using asphalt and tar. One four-wheel-driven truck with snow plough and blade was purchased.

Twelve miles of road were surface treated with bituminous material and 240 miles of road treated with calcium chloride. The surfaces were excellently maintained with the use of power maintainers and truck. Two hundred miles of road were kept clear of snow, and 340 miles of road protected with snow fence where required. Fifty-eight thousand yards of gravel were used.

DISTRICT NO. 4 — *Brant, Haldimand, Lincoln, Welland and Wentworth.*

Brant — The County of Brant graded and gravelled approximately 8.2 miles of road. They also placed a gravel mulch surface on approximately 9.1 miles. The county road system was maintained to a high standard and all roads were kept clear of snow for the winter months.

Haldimand — The County of Haldimand graded and gravelled approximately 2.5 miles of road, constructed 1 concrete culvert and 4 concrete bridges. The largest bridge was a three-span, 17 ft.–40 ft.–17 ft. The end spans were designed as a cantilever. Seven and three-quarter miles of stabilized road was laid and 63 miles of black top roads were surface treated; 0.6 miles of plant mix was laid on the Indian Line and 2.9 miles of road were surface treated for the first time. The county roads were all maintained to a high standard and were kept open for the winter months.

Lincoln — The county graded approximately 9½ miles of road and constructed 1¾ miles of waterbound macadam. Thirty-five miles of black top roads were resurface treated. A number of metal pipes were replaced with vitrified tile and they were embedded and covered in approximately 6 inches of concrete. The county roads were maintained to a high standard and all the roads were open for winter traffic.

Welland — The county graded about 4.4 miles of road and surfaced 2.5 miles with stone. They surfaced 1.8 miles of surface treated macadam with a black base top. They constructed 1 bridge and 1 culvert; 1¼ miles of surface treated roads were widened to 20 feet by adding to either edge with a penetration. The county maintained their roads to a high standard and all roads were kept open for the winter months.

Wentworth — The county constructed 1 mile of stone roads and built ¼ mile of penetration surface. They also constructed 4½ miles of retread. Twenty miles of black top road was resurface treated. The county maintained the road system to a high standard and kept all roads open for winter traffic.

DISTRICT No. 5 — *Counties of Bruce, Dufferin and Grey.*

Bruce — Construction: The major items of construction carried out in Bruce during 1939 consisted of the building of 3 reinforced concrete bridges on the Elora road south of Burgoyne. The two larges ones were about 120 feet over all and were a combination of rigid frame and cantilever design. These two were identical. The smaller one was a 40-foot span rigid frame design. Approximately 5 miles of additional retread was put down on this road, completing this type of surface from Walkerton to Dunblane. If their average program of construction is maintained in 1940 it is quite probable that this road will be completed into Southampton.

Considerable widening and grade reduction was undertaken, notably between Hepworth and Lake Huron on Road No. 8 and east of Burgoyne on the road from Tara to Port Elgin.

Equipment: The more important items of equipment acquired during the year consisted of 1 heavy duty power maintainer equipped with snow plough, 1 Diesel type power unit for crusher operation, and 1 Diesel caterpillar tractor. A new snow plough and wing was purchased for use on their F. W. D. truck in lieu of the one previously supplied by the Department for use on King's Highways' snow removal work. Lesser items of equipment included a machine for the manufacture of snow fence, a vibrator for use on concrete work and various shop equipment and tools for use in the machine shop.

Maintenance: Three crushing plants were operated by the county during the season and a considerable quantity of crushed gravel was obtained from the township municipalities at the rate per cubic yard prevailing on their individual contracts. This practice was followed where a township had a setup convenient to where gravel was required on county roads in the vicinity.

Demands for winter snow clearing are yearly becoming more insistent, and this item is entailing an increased expenditure as time goes on.

The more heavily travelled gravel roads in the system were treated with calcium chloride as a dust layer and stabilizer, and proved very satisfactory. The demand for dust prevention on the roads is constantly becoming more pressing, and aside from the safety element, it would appear that from the standpoint of conservation of material this practice is amply justified.

Dufferin — Construction: A limited construction program was undertaken during the year. Bridge work was limited to one small boundary line bridge and the extension of 2 culverts on the road north of Grand Valley. At several points on the system, stretches of widening and grade reduction were undertaken, notably on the Hockley Road, on Road 10 in Mulmur at Lot 23, and on Road 14 near the Grey boundary. Several corrugated iron and creosoted wood culverts were installed.

Maintenance: General maintenance was carried out over the entire system with crushed gravel, which in this county is crushed to $\frac{3}{4}$ inch. An increased mileage was treated with calcium chloride this year, and very satisfactory results were obtained. During the winter of 1938-39 a snow clearing program was inaugurated and the main county highways were kept open for winter travel the greater part of the winter.

No major additions to county road building equipment during the year.

Grey — Construction: No major construction projects were undertaken on the county system during the season. However, several miles of road have been widened and graded by the power graders. Excellent results have been obtained by these machines where the roadsides are reasonably free from obstructions, and no considerable grade reduction is required. Several corrugated iron pipe culverts were installed during the year.

Maintenance: One of the major items of maintenance is occasioned by dust prevention and stabilization of the gravel roads which comprise the county system. Calcium chloride is used for this purpose in this county. The average rate of application over approximately 112 miles was 5.2 tons per mile at an average cost of $152.89 per mile. It is the opinion of the road authorities in this county that the expenditure for this purpose is well warranted due to the fact that a much greater proportion of the gravel applied to the roads is retained rather than blown away in dust, and the amount of dragging required to keep the roads in good riding condition is very materially reduced. Many of the roads thus treated were not dragged at all during July and August.

Although the county owns and operates five power maintainers, the full time of two of these machines was taken up by the township municipalities which rent them for part of their maintenance work. In this connection increased advantage is being taken by the townships of this service, and it appears to be working out to the advantage of all concerned.

The policy in this county of not snow ploughing any of the county roads is still adhered to, although in many quarters the demand for this winter service is becoming more insistent, and it would appear that some attempt at snow clearing will have to be made before many seasons pass.

One heavy power maintainer was acquired late in the season, making a total of six of these machines now in the county.

Grey-Owen Sound Suburban Roads — The chief item of construction undertaken by the Commission during the past season was the improvement of the approach to Owen Sound from the southwest by way of what is known as the Kilsyth Road. The dangerous sharp turn at the south city limits and the gradient of the adjacent hill to the west was greatly improved.

On the road leading north from the city along the west bay shore, approximately two miles from the end of the present pavement was graded and widened, and the grades improved.

Apart from the above, the activities of the Commission were confined mainly to general maintenance of the roads under their jurisdiction.

DISTRICT NO. 6 — *Counties of Halton, Ontario, Peel, Simcoe and York.*

Halton — Construction: Continuing with its annual low-cost paving program, the County of Halton constructed 4.8 miles of bituminous gravel mulch pavement on Road No. 8 extending from Milton to Hornby. Under agreement with the Town of Georgetown the county constructed three quarters of a mile of Stancol pavement on the Georgetown connecting links. Stancol shoulders 4 feet in width were constructed on each side of the 10-foot concrete pavement on Road No. 3 in Concession I, north of Dundas Street in Trafalgar Township. A total of 4¼ miles of road was graded to standard width and surfaced with crushed gravel.

Maintenance: Maintenance work consisted of the application of approximately 5,800 cubic yards of crushed gravel, 7¼ miles of dust laying with calcium chloride, 70 miles of roadside weed spraying, and routine dragging of the roads with power equipment. The county operates a very efficient gravel crushing plant which supplies the bulk of surfacing material used. All roads were kept open for traffic during the winter months by means of snow ploughs and trucks. The county purchased two small trucks during the year.

Ontario — Construction: A total of 5.1 miles of bituminous retread was constructed; one mile on Oshawa Suburban Road No. 3, extending from Brooklin easterly, 0.75 miles on County Road No. 2 from Raglan northerly, one mile on County Road No. 1 from Brougham northerly; 0.45 miles on County Road No. 5 in the Hamlet of Claremont; 0.16 miles on County Road No. 11 in the Hamlet of Sandford; 0.54 miles on County Road No. 2 in Concession IV, Reach Township south of Port Perry; 0.7 miles on County Road No. 15 opposite Lots 8 and 9, Thorah Township, and 0.5 miles on County Road No. 17 in the Hamlet of Udney. A total of 7.01 miles of road was graded to standard width and 5.56 miles surfaced with crushed gravel. This included 1.5 miles on Road No. 1, Concessions IV and V, Uxbridge Township, which involved considerable heavy work in improving the grade and alignment of this road.

Maintenance: Maintenance work consisted of the application of approximately 8,600 cubic yards of crushed stone and gravel; 4½ miles of bituminous surface treatment; about 50 miles of dust laying with calcium chloride; 27 miles of roadside weed spraying and routine dragging of the roads with power equipment. The county operates two crushing plants which produce practically all the surfacing material used. All roads were kept open for traffic during the winter months with snow ploughs and trucks.

The county purchased an up-to-date weed-spraying machine and one truck during the year.

Peel — Construction: A total of 1.8 miles of bituminous gravel mulch pavement was constructed; 0.8 miles on Road No. 1, Lots 9 and 10, Toronto Township, north of Streetsville; 0.8 miles on Road No. 9 in Concession II west, Chinguacousy Township, and 0.2 miles on Road No. 5 in the Hamlet of Meadowvale; 1.7 miles was graded to standard width and 1.10 miles surfaced with crushed gravel. The grading included 0.8 miles of heavy cut and fill work on Road No. 11 in Concession III east, Caledon Township.

Two 20-foot span reinforced concrete slab bridges were constructed.

Maintenance: Maintenance work consisted of the application of approximately 11,900 cubic yards of crushed gravel; 20 miles of dust prevention treatment with oil; 75 miles of dust prevention treatment with calcium chloride and routine dragging of the roads with power equipment.

The roads were kept open as far as possible during the winter months with snow ploughs and trucks.

Simcoe — Construction: A total of 5.75 miles of road was graded to standard width and surfaced with crushed gravel as follows: 1 mile on Road No. 4, Lots 3 to 5, Flos Township; 2 miles on Road No. 5, Lots 21 to 24, Tossorontio Township; 0.75 miles on Road No. 11 in Concession III, Oro Township; 1 mile on Road No. 7, opposite Lot 28, Concession I, Sunnidale Township, and 1 mile on Road No. 19 in Concessions II and III, Medonte Township.

All of the grading work was done with county-owned equipment, consisting of a 60 H.P. caterpillar Diesel tractor, a leaning wheel grader and a 5-yard Continental scraper at very reasonable cost.

A 30-foot top width of roadway was provided in all cases and a high standard of grade and alignment attained.

Three concrete slab culverts and two steel arch culverts were constructed.

Maintenance: Maintenance work consisted of 0.6 miles of bituminous surface treatment; 45 miles dust-prevention treatment with calcium chloride; 14 miles of clay-gravel stabilization, the application of about 40,000 cubic yards of gravel and stone, and routine dragging of the roads with power equipment.

Two hundred and twenty miles of road were kept open for traffic during the winter months by means of snow ploughs and trucks.

The county added to its grading equipment during the year by purchasing a 5-yard Continental scraper. The county also purchased a F. W. D. truck equipped with St. Paul under-body blade. This truck was put into service for road dragging during the year and gave very satisfactory service. Towards the end of the year a snow plough and wing were purchased, mounted on the F. W. D. truck, and the unit put into service for snow clearing.

York — Construction: The main construction projects carried out during the year were as follows: 2.54 miles of bituminous penetration macadam on Road No. 8 from Victoria Square to Gormley. Completion of the 1938 grading contract on Road No. 23, Lots 11 to 26, East Gwillimbury Township, and construction of a creosoted timber bridge, 30-foot span, and 30-foot roadway on Road No. 23 opposite Lot 20, East Gwillimbury Township.

The county also contributed to the cost of paving under the new subway on Kipling Avenue.

Maintenance: Maintenance work consisted of the application of about 4,500 cubic yards of gravel and 912 tons of stone; 51.6 miles of bituminous surface treatment; 80 miles of dust-prevention treatment with calcium chloride; routine dragging of gravel roads with power equipment and bituminous crack filling and patching of concrete and bituminous pavements.

The county purchased a new line marker for zone-painting purposes and two trucks in addition to small items of equipment.

Considerable attention was given to zone painting and the erection and maintenance of symbol signs and guard rails. The county is to be commended for the very fine appearance of the roads generally and the efforts made to provide for the safety of the travelling public.

DISTRICT NO. 7 — *Counties Northumberland and Durham, Peterborough, Prince Edward and Victoria.*

Northumberland and Durham — The purchase of a 60 H.P. Diesel tractor with power controlled grader, and LaTourneau scraper, marked a new period of road construction in the counties. Ten and one-half miles of road were completely rebuilt. Very steep grades were reduced, new culverts installed and the roads widened and all surfaced; also the fences were set back to provide a 66-foot right-of-way. Operating costs on the grading were as low as .06c per cubic yard. The crushing equipment was improved by the installation of a vibrating screen and in consequence the crushed gravel delivered on the road was far superior to that of previous years. The application was also greatly reduced.

The stabilization of gravel roads with calcium chloride, which commenced in 1938, was continued last year, with the addition of 30 miles, making now a total of 70 miles of road in this category. A building for the housing of the counties' equipment was erected at Cobourg at a cost in the neighbourhood of $2,800.00. A G & C truck was added to the fleet to be used for gravelling and slowploughing operations.

Peterborough — Perhaps the most important individual job in the county was the construction on the road leading from Westwood to Highway No. 7 of a twin span rigid frame, reinforced concrete bridge, each span 37 feet 11 inches. The bridge was designed by Mr. A. E. Chalmers, County Engineer, at a cost of $5,800.00.

Seven and three-quarter miles of road were brought up to standard cross-section and 2¾ miles of asphaltic mulch were laid.

The dust-prevention program was continued, 63 miles being treated with calcium chloride and 6 miles treated with sodium chloride.

One Frink V-type snow plough with 11-foot wing was purchased.

Prince Edward — New construction consisted of 4 separate jobs totalling 3 miles. Heavy hill cutting was encountered and in some cases the cuts were sloped out to the full width of the right-of-way to avoid bad snow condition. The surfacing program was continued, 2½ miles of tar retread, and ½ mile of tar mulch being laid.

Three and one-half miles of bituminous roads received surface treatments.

Dust-prevention treatment was carried out as formerly, 13 miles treated with oil and 15 miles with calcium chloride.

The following machinery was purchased: One Adams No. 50 power grader with snow-plough wing; 1 used White steam engine; 1 Adams snow plough; 1 Frink snow plough.

Victoria — In Victoria County 10½ miles of road were constructed, the most important section being a relocation of Road No. 5 on the west side of Pigeon Lake. One and one-half miles of tar retread were constructed, one section extending work north of Oakwood and the other east of Fenelon Falls on the Bobcaygeon Road.

Nine miles were added to the system of calcium chloride stabilized roads, making a total of 78 miles. The standard of this type of road ranks among the highest in the province.

Two V-type snowploughs with levelling wings were purchased, which greatly improved the control of snow.

District No. 8 — *Counties of Frontenac, Hastings, Leeds and Grenville, and Lennox and Addington.*

Frontenac — Kingston suburban construction consisted of 2 miles of asphalt plant-mix top, built with the suburban-owned plant on the Glenburnie Road. A narrow concrete culvert was widened on Road No. 1A by having ten feet added to each side. On the county roads, it was realized that the old macadam roads were wearing out. To overcome this, the County Road Committee raised the road rate one mill and borrowed the suburban paving plant. Five and one-half miles, 16 feet wide, was paved with this help and an excellent start made to put the roads back in shape. The fill was widened at Buck Lake Bridge, and the rock drilled for widening along Wolfe Lake on Road No. 3.

Machinery: A new Walters truck was purchased to replace the one destroyed by fire, also 1 new Yeager pump for dewatering work where coffer dams are used.

Maintenance: All roads were kept open for winter motor traffic with the two ploughs, and trucks owned by the suburban roads, and county roads. Bush was kept down with chemical weed killer. Calcium chloride was used extensively and all roads maintained properly.

Hastings — The two gaps totalling 1⅓ miles in length (on the Madoc Road) left in 1932 were paved with an 18-foot wide mulch type commercial plant-mix asphalt material known under the trade name "Stancol." The material was mixed at the contractor's plant at the Fuller Pit, and hauled, laid and rolled early in September. The grading, ditching, shouldering, culvert installation, guard rail erection, and all other work was done by county forces, and gave a great deal of employment. One large cut, involving roughly 4,000 cubic yards, was made to secure better vision and grades south of the C. N. R. crossing.

A short gap on the county pavement in Marlbank Village, comprising some 60 feet between two railway tracks, was paved with material from the same source.

The low sections of the approaches to Black Creek Bridge on the Sulphide Road were raised with rock fill taken from rock cuts at high points. This fill was to prevent flooding as the road was impassable to traffic every spring owing to the rise of Stocco Lake.

A new motor grader was purchased.

Maintenance: Three steel bridges were scraped and repainted. New timber flooring was placed on county bridges at Cannifton, Milltown.

The field tile on Road No. 5A, Sidney Township, which had been down for 40 years, was taken up, cleaned, the broken tile replaced and again installed to improve drainage.

Twenty miles of county roads were treated with calcium chloride at an average cost of $132.00 per mile, and 32 miles were treated with oil or asphalt at an average cost of $259.00 per mile.

Extra material was placed on the roads from two county crushers operating at Coe Hill, Moira Lake, Tyendinaga Township, Stirling, Springbrook, Tweed and Marlbank.

One new carload of snow fence was purchased and the roads were kept open in winter by contract.

Leeds and Grenville — The united counties of Leeds and Grenville have a definite program for low cost pavement and this year paved 13¼ miles, bringing the total mileage of pavement to date up to 81¾ miles.

Two bridges were built; the Garreton Bridge on County Road No. 20 is a steel bridge, 54-foot span on concrete abutments and the Otter Creek Bridge in the Smith's Falls Suburban Area is a steel bridge 30-foot in span built on the old abutments.

Extensive grading for alignment grade or daylighting was done on County Roads Nos. 1, 3, 5, 16 and 20.

A new Adams motor grader was purchased, making one for each of the united counties, and a machine shed built near Brockville to house the machinery.

Maintenance: Gravel roads were thoroughly maintained with the two motor graders. Brush was cut, the ditches cleaned, and all roads were kept smooth. Two extra carloads of snow fence were purchased and erected to help with snow removal. Winter roads were kept open as usual by the bonusing of Snow Clubs at a price per mile.

Lennox and Addington — Owing to the attempt at debt reduction and the diverting of some road funds to the general account to help cover the cost of Equalized Assessment, there was very little construction work in 1939.

The construction consisted of 8 miles of right-of-way widened with new fence, a few hills graded to improve the drainage and 22 corrugated iron pipe culverts installed.

Maintenance: All gravel roads were maintained by power grader and kept in good condition during the year. The more important gravel roads were treated with calcium chloride and patched with gravel and loose stone as required. Approximately 26 miles of hard-surfaced roads were surface treated and patched. Screened gravel and limestone chips were used for cover material. The work of surface treatment and crushing was done by day labour with county equipment.

Weeds and brush were cut over the entire system and weed killer was used.

DISTRICT NO. 9 — *Counties of Prescott and Russell, and Stormont, Dundas and Glengarry.*

Prescott and Russell — After paying a large sum for back debts, these counties, under the guidance of their new engineer, Mr. R. Boismenu, found it impossible to carry on an extensive program. However, their progress was favourable.

County Road No. 9 in Plantagenet North Township was widened to 66 feet and 2 miles were graded to standard dimensions. Twenty-eight pipe culverts were installed.

The Dawson Bridge was rebuilt. It is of timber construction, 40-foot span and has a centre pier. The Bearbrook Bridge, 80-foot span, steel superstructure with concrete abutments, was practically rebuilt.

All the county road system was well maintained, and considerable attention was given to the patching of bituminous surfaces. Sixty miles of snow roads were kept open.

Stormont, Dundas and Glengarry — In these three united counties a total of 19 miles of bituminous retread were laid over a two-foot gravel base, and a surface treatment was applied to 23 miles of bituminous roads. Twenty-two thousand cubic yards of gravel were used in resurfacing. Two and a half miles of road were widened (two different stretches) to 66 feet, and graded. This was the initial step in a widening program outlined for all roads where new construction is necessary. Two hundred tons of calcium chloride were used as a dust layer on the more heavily travelled gravel roads.

Six new $3\frac{1}{2}$-ton trucks equipped with new ploughs and wings were purchased and used in maintaining snow roads throughout the entire system of 464 miles.

District No. 10 — *Counties of Carleton, Lanark and Renfrew.*

Carleton — A good deal of work was done in the county this year and a total of 21 miles of road was surfaced with either surface treatment or low-cost bituminous surface.

The Ottawa Suburban Commission completed the widening of the Richmond Road through the Village of Westboro, thus finally removing all traces of the bottle-neck in the Village of Westboro and Ottawa West.

The Commission also did some widening farther out on the Richmond Road and started to widen the River Road between the airport and the city in order to relieve congestion.

The low cost surfacing in the county system was added to during the year. Considerable attention is also being paid to maintenance.

Lanark — Two more old timber bridges were replaced this year, one being 45-foot span and the other 20, and a bad swamp area was got rid of by detouring the road around the swamp on solid ground.

The Rideau Ferry Road had another mile widened on the surface, while low-cost surfaces were put on two other roads for a distance of approximately one mile each.

A light power maintainer for use in the narrower county roads and in the townships was purchased and also a snow plough for their F. W. D. truck, and the latter was able to keep open a considerable mileage of roads this winter.

The Smith's Falls-Lanark County Suburban Roads Commission was revived during the winter and has assumed charge of about six miles of Smith's Falls-Merrickville Road.

Renfrew — The construction programme in this county was continued during the year and about eight miles of road were built this year in three townships.

A considerable addition was made to the mileage of stabilized road and also in the way of dust layer, in both cases calcium chloride being the stabilizing medium.

A three-ton truck, concrete mixer and a leaning wheel grader were purchased during the year.

Township Roads

For the year 1939, six townships and one Provincial Park, which took no aid in 1938, came in under The Highway Improvement Act. These were:

Monaghan South
Rawdon
Radcliffe
Westmeath
Cardiff
Whitney
Long Point Provincial Park

Of the 571 organized townships in the Province only six were without road subsidies during this year. That is, the government subsidized road expenditures in 565 townships and two provincial parks.

Expenditure on township roads in 1939 was as follows:

	Total Expenditure	Provincial Subsidy
Construction:—		
Township Roads	$ 1,814,131.40	$ 971,530.84
Maintenance:—		
Township Roads	$ 3,529,375.15	$ 1,867,855.99
Total Expenditure	$ 5,343,506.55	$ 2,839,386.83

Construction Work

The work on which the above expenditure for construction was made included the following:

Gravel or Stone	391.94	Miles
Surface-Treated Gravel or Stone	8.80	"
Low-Cost Bituminous Surfaces	23.95	"
Mixed Macadam and Asphaltic Concrete	5.60	"
Cement Concrete	.14	"
Total	430.43	"

Maintenance Work

Bituminous Surface Treatment	102	Miles
Dust Prevention Treatment (oil)	256	"
Dust Prevention Treatment (calcium)	463	"
Clay-Gravel Stabilization (calcium)	43	"
Gravel and Crushed Stone Resurfacing:—		
(a) Pitrun Gravel Applied	901,408	Cu. Yds.
(b) Crushed Gravel Applied	877,989	"
(c) Crushed Stone Applied	304,336	"
Snow Removal — Season 1939-40:—		
(a) Mileage of Road Kept Open with Mechanical Equipment	7,293	Miles
(b) Snow Fence Erected	356	"

A detailed list of the important work undertaken by the townships follows:

District No. 1 — *Townships in the Counties of Essex, Kent and Lambton.*

Essex — The work for 1939 consisted of laying 4½ miles of tile for road drainage purposes. Twenty-five miles of existing road were regraded to standard width, 7 metal and 4 concrete culverts and 3 bridges were built, one mile was stabilized with calcium chloride and 20 miles were treated with chloride for dust prevention. Thirty-five thousand, six hundred and twenty-seven cubic yards pitrun gravel, 2,411 cubic yards crushed gravel and 7,158 cubic yards crushed stone was applied to the township roads.

Kent — During 1939, the work consisted of laying 4 miles of tile for road drainage, 25 miles were graded to standard width, 130 metal and 3 concrete culverts were installed. Three concrete bridges were constructed. One-quarter mile was treated with oil and 7.0 miles were treated with calcium chloride for dust prevention. Five hundred and sixty-two miles were kept free of snow by mechanical equipment. Forty-five thousand and two cubic yards pitrun gravel, 7,960 cubic yards crushed gravel and 24,949 cubic yards crushed stone was applied to the roads.

Lambton — The work consisted of laying 3 miles of drainage tile along the roads, grading 53 miles to standard, installing 85 metal and 4 concrete culverts. Six concrete bridges were built. Four miles were treated with oil and 8 miles with calcium chloride for dust prevention. Four hundred and forty-two miles were kept free of snow by mechanical equipment and 1.6 miles of snow fence erected. Twenty-eight thousand, seven hundred and twenty-one cubic yards pitrun gravel, 13,473 cubic yards crushed gravel and 16,859 cubic yards crushed stone was applied to the roads.

DISTRICT NO. 2 — *Townships in the Counties of Elgin, Middlesex, Norfolk and Oxford.*

A total of 113,704 cubic yards pitrun gravel, 78.74 cubic yards crushed gravel and 17,897 cubic yards commercial crushed stone were applied to the township road systems. Four new power maintainers were purchased, which showed a distinct improvement in road surfaces. Nine new snow ploughs purchased show the increased desire of municipalities to keep roads open in winter. Forty-three miles were treated with dustlayer for the prevention of dust, as well as conservation of metal. A marked improvement was shown on all township roads, showing an increasing desire of the municipalities to modernize the standard of their roads. Six concrete box culverts, 4 concrete bridges and some 135 corrugated iron pipes were used. Approximately 28 miles of existing road were graded to modern highway standards.

DISTRICT NO. 3 — *Townships in the Counties of Huron, Perth, Waterloo and Wellington.*

Huron — Construction consisted mainly of ditching and installing pipes and the building of culverts. Maintenance consisted of dragging and resurfacing, using approximately 84,862 cubic yards of gravel. Weeds were cut and several townships undertook spraying.

Perth — Construction consisted of 4 bridges over 10 feet and installation of pipe culverts with approximately two miles of new grade. Roads were maintained and resurfaced, using approximately 77,600 cubic yards of gravel. Five power maintainers are owned by townships.

Waterloo — Construction consisted of ditching approximately two miles of road and grading 4 miles, and the installation of pipes. Roads were well maintained with power equipment, and the use of 40,500 cubic yards of gravel. Every township in Waterloo County has its own power maintainer.

Wellington — Construction consisted of ditching approximately three miles of road and grading 6 miles, and installation of pipe culverts. One bridge over 10 feet and 3 concrete culverts were built. Roads were maintained with power maintainers and small graders. County equipment was used in several townships. Seventy-seven thousand, nine hundred and ninety-seven cubic yards of gravel were used.

DISTRICT NO. 4 — *Townships in the Counties of Brant, Haldimand, Lincoln, Welland and Wentworth.*

The townships in this district constructed two bridges and seven culverts of concrete. They graded 85 miles of road and gravelled 63 miles. Sixty-eight and one-half miles of black top road were resurfaced and 6 miles of road were surface treated for the first time. The townships maintained their roads to a fair standard for the past year and kept open by mechanical equipment for winter traffic over 1,100 miles of road.

District No. 5 — *Townships in the Counties of Bruce, Dufferin and Grey.*

The township activities for the year in this district will be slightly below the average for the past few years. There was, however, an increase in the number of bridge replacements in the district. This was due, I consider, to the fact that many townships have been postponing the renewal of bridges during the years of depression, and many of these have arrived at the stage where it was imperative that they be replaced. This situation will probably hold for the next few years. Fourteen such bridges, ranging from 12 feet to 80 feet in span, were replaced by townships in this area during 1939, several of them being used bridges which had become obsolete for service in the county systems and King's Highways.

Seventeen concrete slab and steel arch culverts were installed, and approximately 80 pipe and tile culverts placed.

Approximately 50 miles of new grade was put up, and one township purchased a power maintainer. This makes a total of 6 power maintainers owned and operated by the townships. In addition, they are making increasing use of county-owned equipment on a rental basis.

Owing to the favourable prices obtained in recent years for crushing and hauling gravel, several townships which operated their own crushing plants have laid them up or scrapped them.

District No. 6 — *Townships in the Counties of Halton, Ontario, Peel, Simcoe and York.*

A total of about sixty-eight miles of construction grading was done, of which about 58 miles were surfaced with gravel.

Ten bridges and 51 concrete and steel arch culverts were constructed and numerous pipe culverts installed.

In the Townships of York and North York, a total of 2¼ miles of black base pavement were constructed as a local improvement. In the Township of East York, 2.2 miles of surface-treated stone pavement were constructed.

A total of approximately 285 miles were treated with dust preventive, both oil and calcium chloride being used.

Five additional townships in District No. 6 purchased power graders during the year.

Five townships purchased snow ploughs and towards the close of the year a number of other townships were planning to make arrangements for snow ploughing during the winter.

There is a growing demand throughout the rural districts for snow-clearing services during the winter months and it seems as if the majority of townships will have to make some provision for dealing with this problem.

District No. 7 — *Townships in the Counties of Northumberland and Durham, Peterborough, Prince Edward and Victoria.*

Northumberland and Durham — Generally speaking, the construction activities of the townships were curtailed, or, at least, confined to bridges. In Manvers Township a 75 foot steel span was built across the East River. Brighton Township constructed a 12 by 5 reinforced concrete bridge, and continuing its policy of building a bridge a year, Percy Township constructed a 24 foot steel and concrete job over the Burnely Creek. A special note was the decision by South

Monaghan Township to discard statute labour and to operate under The Highway Improvement Act (the last of the Mohicans). Four townships in the county made use of calcium chloride as a stabilizer.

Peterborough — Main construction activity was as follows: In Anstruther and Chandos Townships, the road leading from Apsley to the west bay of Loon Lake received special attention. One hill was cut down and straightened and the rest of the road made passable to the summer traffic. Special attention was paid to drainage, numerous cedar culverts being built. In North Monaghan, three-quarter miles of asphalt-gravel mulch were laid. Douro Township built three-quarter miles of new road to develop the south shore of Clear Lake as a tourist resort.

Several townships kept their main road open during the winter by snow ploughing.

Prince Edward — Work in the townships was of a general maintenance nature. Approximately four miles in Ameliasburg Township were stabilized with calcium chloride.

Victoria — The work was principally of a routine maintenance nature. Verulam Township purchased a crushing plant, which received considerable use, and Ops Township rebuilt and put in service a crusher that had been idle for several years.

DISTRICT NO. 8 — *Townships in the Counties of Frontenac, Hastings, Leeds and Grenville and Lennox and Addington.*

Frontenac — Thirteen and three-quarter miles of gravel or crushed stone was placed on new grades. Of this mileage, one-half mile was new road, and the remainder was existing road improvement. Sixty-seven metal and concrete pipe culverts were installed, twenty-eight wood and three concrete culverts built.

Machinery Purchased: Horse-drawn snow ploughs, 1; truck snow ploughs, 1; pull graders, 1; trucks, medium, 1.

Maintenance: Brush was removed from the sides of roads, the total clearing amounting to 14 acres. Nine hundred and forty-three miles were kept smooth with pull graders and 1 mile treated with calcium chloride. For winter traffic, 324 miles were kept open for motor traffic. All roads were kept in excellent travel condition during the summer.

Hastings — One-half mile of asphalt penetration pavement was built on MacDonald Avenue, a boundary line road of the City of Belleville. One and one-half miles of new road, also thirteen and one-quarter miles of existing road were ditched, graded and covered with crushed stone or gravel. Seventeen hundred and fifty feet of guide rail was erected, 62 metal culverts, 147 wooden culverts and 1 concrete culvert were built. Three wood bridges over 10-foot span were constructed.

One horse-drawn snow plough, 2 truck ploughs, 2 medium-pull graders, 1 light motor grader, and 2 light crushers were purchased.

Maintenance: Two hundred and forty-three miles of township roads were kept open for winter motor traffic. Eight hundred and seventy-seven miles were kept smooth with pull graders and 200 miles with motor graders. Fourteen miles were treated with calcium chloride.

Leeds and Grenville — One mile of tar penetration and 2.85 miles of plant-mix asphalt were built; 4.65 miles of gravel or crushed stone was laid on new grade. One new steel bridge, 32-foot span, was built on concrete abutments.

One truck snow plough, 1 light motor grader, 1 medium motor grader were purchased.

Maintenance: Five hundred and twenty miles were kept smooth with pull graders, and 446 miles with motor graders. Two and one-quarter miles were treated with calcium chloride. Very few roads were kept open for motor traffic during the winter and only 149 miles were ploughed.

Lennox and Addington — Three miles of gravel or crushed stone was placed on new grades. Eight metal, and concrete pipe culverts, 19 wood and 2 concrete culverts were built. Five wooden bridges over 10-foot span were constructed in the northern townships.

Machinery Purchased: Horse-drawn snow ploughs, 13; pull graders, medium, 1.

Maintenance: Five hundred and sixty-five miles were kept smooth with pull graders and 75 miles with motor graders. Three hundred and thirty-two miles of winter road were kept open for motor traffic with horse-drawn and mechanical ploughs. All roads were kept passable for traffic during the summer. Five miles were treated with calcium chloride.

DISTRICT NO. 9 — *Townships in the Counties of Prescott and Russell, Stormont, Dundas and Glengarry.*

Prescott and Russell — These townships are steadily increasing their mileage of gravel-surfaced roads, and are using a better grade of gravel each year. Four and one-half miles were graded and gravelled. Longueuil Township built a reinforced concrete culvert 40 feet wide and 5 high. A concrete culvert was built in Clarence Township; 32 pipe culverts were installed. The usual maintenance work was well done.

Stormont, Dundas and Glengarry — A concrete bridge was built in Roxborough Township. Seventy-three pipe culverts were installed and 2 metal arch culverts were constructed. Two and one-half miles of new grades were gravelled. A bituminous surface treatment was given 3 miles and 53 miles were treated with calcium chloride for dust prevention. A total of 68,000 cubic yards of gravel were used in resurfacing the township roads.

DISTRICT NO. 10—*Townships in the Counties of Carleton, Lanark and Renfrew.*

Carleton — Maintenance was the chief feature in the townships in this county this year. The Township of Nepean purchased a power grader and have used it to considerable advantage. The Gloucester Township machine has also been in full use all year and successful use of these machines has created an awakening interest in the remainder of the townships as to the advantages of machinery for maintenance and construction of township roads.

Lanark — As in the last few years, the work in this county has been almost entirely maintenance, although a small amount of work has been done in improving visibility in narrow rock cuts.

Renfrew — There is now only one township in this county not working under the Highway Improvement Act, and the work undertaken in the townships are principally of a maintenance nature and the work done reflects the willingness of the authorities to co-operate with the Department in road improvement. The townships are endeavouring to build up gradually the requisite machinery for the maintenance of roads.

DISTRICT NO. 11 — *Townships in the District of Muskoka and the Provisional County of Haliburton.*

Haliburton — All townships in this district are now operating under the Highway Improvement Act. Maintenance work was efficiently carried out over the entire county. All bridges and culverts were kept in good repair. Many bad hills and sharp curves were eliminated. Roads were improved to open up Lake Shore property to tourists and summer cottagers. Considerable road widening was done in various townships.

Muskoka — One and one-half miles of gravel mulch surface was laid on the Port Sandfield Road, Medora Township. Considerable widening of present narrow roads was carried out. General maintenance work was efficiently done. Bridges and culverts were kept in good repair and ditches cleaned out. Many of the main roads in the townships are now being snow ploughed. Improvement of road surface during tourist season was very noticeable in all townships. Many bad curves were eliminated.

DISTRICT NO. 12 — *Townships in the District of Parry Sound.*

With an increase in by-laws in 1939, favourable progress was made in the improvement of roads in townships operating under The Highway Improvement Act. Improvement in alignment and widening of narrow grades and drainage work was carried out extensively in all townships, and new roads, opening up summer resort properties, were established and, in most cases, constructed.

Maintenance work was efficiently carried out over the entire district. All bridges and culverts were kept in good repair.

Shawanaga and Parry Island Indian Reserves took aid under The Highway Improvement Act for the first time, and the appreciation of aid given was shown by the excellent work.

DISTRICT NO. 13 — *Townships in Nipissing and Most of Sudbury.*

There has been little work of an outstanding nature in this district but the principal features are as follows:

The Township of West Ferris constructed 1.2 miles of light gravel mulch with an 18-foot roadway. This was the only hard-surfacing undertaken. Sixteen bridges were extensively repaired or entirely reconstructed. Department of Highways day labour gangs performed the work on nine of the larger ones. In McKim Township a 30-foot creosoted timber bridge on piles was built, providing an 18-foot roadway. All others were of untreated native timber — the largest being in Calvin Township over the Amable du Fond River, with an approximate length of 100 feet and a 14-foot roadway.

Approximately 500 culverts were built or repaired and of these only 32 were of other than untreated timber.

There were no large road construction undertakings. Of the 7.60 miles of new road shown as constructed, very little has yet been completed to the extent of being gravelled.

The construction expenditure returns are considerably higher than last year. Much of this is due to extensive reshaping and gravelling of existing roads and might be more properly classified as extraordinary maintenance.

The only power equipment purchased was a two-ton truck by McKim Township. Two garages were built and six medium-sized horse-drawn graders purchased.

Dust layer has been used in Chapleau and West Ferris Townships only. A general policy of snow-ploughing is carried out in Chapleau, McKim, Neelon and Garson, West Ferris, East Ferris, Widdifield and Blezard.

With the exception of the West Ferris mulching no crushed gravel or stone has been used.

Many of the townships have shown a definite improvement in the conduct of their work. Unfortunately Statute Labour ideas are deeply rooted in the minds of many township residents and it is very difficult to create a desire for efficient and economical methods. The creation of better roads is still secondary to earning money on the roads to pay taxes.

DISTRICT NO. 14— *Townships in Temiskaming and Part of Cochrane (South).*

Some 25 miles of road were reconstructed during the year, much of which consisted of widening of the old "single track." The comparatively wet season placed considerable emphasis on drainage; this is reflected noticeably in the figures for ditching, both in construction and maintenance. There were 73 pipe culverts installed.

Over 50,000 cubic yards of gravel was placed on the roads ,about half of which was crushed.

Four wooden bridges were rebuilt and two were replaced with permanent structures and one with a concrete culvert and fill.

Dust Prevention: Oil or calcium was applied to about 40 miles of road.

Snow fence was erected, a total of 17¼ miles, and 60 miles of road were kept open to traffic all winter with snow ploughs.

DISTRICT NO. 18 — *Algoma, Manitoulin and Part of Sudbury.*

Small timber bridges were replaced in the following townships: (1) Rutherford and George Island; Tehkummah (3); Thessalon (1); Korah (2); McDonald (3); Baldwin (1); Plummer, additional (1); Hallam (2), and Sandfield (1).

Nairn Township built about a mile of new road north of the Spanish River to avoid running alongside the river where road was continually caving in.

Hallam Township completed a new cut-off in Lee Valley where work had been commenced a few years ago and never completed.

McDonald Township widened and improved greatly the road from Echo Bay to the northern boundary to facilitate timber operations and open roads to lakes for tourists.

All townships have commenced to widen and improve contour of roads.

Other than the above, most of the work was gravelling and general maintenance. It has been necessary to apply most of their effort to this work up to the present to make these roads really passable, as it has only been recently that they have been properly organized.

DISTRICT NO. 19 — *Townships in the District of Thunder Bay.*

Construction work in the organized townships in this district was principally as follows:

Clearing 46.45 acres of right-of-way; stumping and grubbing 16.33 acres; ditching 33,082 lineal feet; grading new road, 9.41 miles; existing road, 8.56 miles; 173 cubic yards of rock was hauled and used for rip-rapping; 5,856 cubic yards of earth and 70½ cubic yards of rock excavation was done in ditching and grading.

A total of 120 culverts under 10 feet were constructed, three of them being of a concrete arch type, by the Township of Paipoonge.

A cedar timber cribbing 45 feet long with a 6-foot face was constructed by O'Connor Township for the protection of a bridge over the Whitefish River.

Nineteen hundred and twenty-nine and one-quarter cubic yards of gravel was placed on newly graded roads, and 382 cubic yards on old grades.

The Township of Schreiber laid 1.62 miles of gravel mulch road surface to very good advantage.

Nine wood bridges over 10-foot span were constructed, one of which was in Paipoonge Township, it being 88 feet overall with one 46-foot span, two 14-foot spans with cribs and approaches.

Maintenance consisted of the following:

Roads were dragged as required to keep them in good condition, a total of 3,289½ miles of dragging having been dragged, 3.55 miles of grade repairs were done with 2,556 cubic yards of earth excavation being done during the process of repair; 21,758½ cubic yards of gravel resurfacing and patching were done.

Seventy-two thousand one hundred and seventy-one lineal feet of ditches were cleaned out, 36.75 miles of side brushing and 264.12 miles of weed cutting were done, 16 wood bridges over 10-foot span, two of which were 60-foot spans; 44 wood, 4 galvanized and 11 concrete culverts were repaired and 63 wood culverts were replaced; 330.50 miles of road was kept open for winter traffic and 60 miles of snow fence erected.

DISTRICT NO. 20 — *Kenora.*

Work done on various roads within the Township of Ignace: Clearing, 2.0 acres; ditching, 2,000 lineal feet; grading new road, .35 miles; stumping and grubbing, 1.0 acres; grading existing roads, 6.0 miles; concrete culverts, 9.

Maintenance: Ditching, 6,000 lineal feet; redecked and erected new railing on 3 bridges, 15-foot span; pitrun gravel applied, 1,100 cubic yards; cinders applied, 600 cubic yards.

Work done on various roads within the Townships of Sanford, Temple, Langton and West Half of Aubrey, comprising the Municipality of Machin.

Construction: Clearing, 20.0 acres; ditching, 4,600 lineal feet; crosslay, 0.25 miles; grading new road, 2.0 miles; stumping and grubbing, 9.0 acres; grading existing roads, 1.25 miles; wood culverts, 11.

Maintenance: Ditching, 6,200 lineal feet; clay applied, 3,240 cubic yards; pitrun gravel applied, 1,160 cubic yards.

Work done on various roads within the Townships of Jaffray and Melick:

Construction: Clearing, 5.12 acres; ditching, 2,680 lineal feet; grading new road, 1.37 miles; stumping and grubbing, 4.25 acres; grading existing road, 5.50 miles; wood culverts, 10; gravel on new grades, 3.75 miles.

Maintenance: Ditching, 4,560 lineal feet; culverts repaired, 48; roadside maintenance, brushing, weed cutting, etc., 19.25 miles; grader work, 35 miles; pitrun gravel applied, 3,275 cubic yards.

DISTRICT NO. 21 — *Townships in the District of Rainy River.*

New grading consisted of 2.80 miles, and regrading existing roads 5.65 miles; 38,425 lineal feet of ditching was done; 3 metal, 1 concrete and 68 timber culverts built; 25.01 acres cleared and 18.65 acres stumped and grubbed; clay fill on burned-out roads, 2,197 cubic yards; rock fill, 379 cubic yards; rip-rap, 30 cubic yards; 3,232 cubic yards of pitrun gravel were put on new grades; 6 bridges over 10-foot span were built.

Maintenance consisted of repairs to 65 timber and 3 tile culverts; side brushing and weed cutting of 201.5 miles; bridges repaired, 13; scarifying centre and shoulders, 32 miles. In maintaining road surfaces, 1,643 cubic yards of clay and 16,790 cubic yards of pitrun gravel were used. Calcium chloride was applied as a dust preventive on 2.0 miles. Snow fence erected, 1.50 miles.

The Municipality of Alberton purchased a Diesel grader with snow plow and wing.

ROAD CONFERENCES

It has been customary for our Branch of the Department of Highways to call a conference in Toronto, during February, of all the county and township road superintendents and engineers who are working under The Highway Improvement Act. In 1939 the annual conference celebrated its twenty-fifth anniversary and was unique in that, for the first time, possible representation covered the entire province.

Several items of interest to county road superintendents remained unsettled from the February conference and it was planned to hold a smaller, a special conference later in the year to discuss these matters. In the meantime the need for several administrative changes arose and a meeting was convened by the Municipal Roads Branch on November 29th and 30th. This was followed by a meeting of Branch officials on December 1st.

For some years it has been felt that an improvement could be made in the system of keeping county and township road accounts, particularly with a view to obtaining more uniform and accurate cost records. Mr. G. E. F. Smith, Chief Accountant of the Department, suggested several changes based on a province-wide study of the various systems at present in use. The proposals outlined by Mr. Smith will be put into effect during 1940.

There has been considerable difficulty as well in the matter of purchasing machinery. In accordance with the regulations concerning the purchase of supplies and materials by municipalities, the Department has had no other choice but allow subsidy on the lowest tender submitted on machines meeting certain specifications. It has been argued that, over a period of years, economy of operation will offset a higher initial cost. The Department has considered many systems of avoiding disputes and unfairness in this connection and has finally come to believe that by subsidizing a fair rental price which will cover initial cost, depreciation, interest and repairs, it will be possible to satisfy all parties concerned. The rental rate will be the same for all municipalities for similar machines. Operating costs vary greatly throughout the province, so operators' wages, fuel, oil, etc., will be subsidized as formerly.

The Department wishes to thank the county and township engineers, contractors, machinery firms and others who so heartily co-operated by furnishing operating records and other statistics.

1940 CONFERENCES

Due to prevailing conditions at the beginning of 1940 it was deemed inadvisable to hold the annual conference on road improvement for county and township road superintendents and engineers.

At the beginning of 1940 four district conferences were held but only two came within the 1939–40 fiscal year. The first was held at Chatham for the municipalities of Essex, Kent and Lambton counties on March the 12th and 13th, 1940, and was the Twelfth Annual Conference for District No. 1. The second was the Thirteenth Annual Conference at London on March 15th and 16th, 1940, for the county and township road superintendents in District No. 2, which takes in the counties of Elgin, Middlesex, Norfolk and Oxford. Both were highly successful.

INDIAN RESERVES

Parry Sound, Shawanaga and Gibson Indian Reserves took aid under The Highway Improvement Act for the first time in 1939, thus raising the total of Reserves eligible to seventeen. The total expended on Reserve roads was $41,250.24, and the government subsidy $22,048.42.

Indian Reserve	Expenditure
Alnwick	No Return
Cape Croker	$ 3,891.10
Caradoc	2,500.00
Gibson	998.68
Kettle and Stony Point	866.67
Moravian	850.00
Mud Lake	900.00
New Credit	1,000.00
Parry Island	948.94
Rama	625.00
Rice Lake	272.94
Sarnia	1,071.34
Saugeen	797.95
Shawanaga	985.96
Six Nations	20,535.41
Tyendinaga	3,006.25
Walpole Island	2,000.00
	$ 41,250.24

CONCLUSION

Several county engineers left soon after the outbreak of war to take their places in the armed forces of the Empire and the Department has asked that municipalities adopt the system in vogue in the provincial government of making only temporary appointments to fill such vacancies so that when a man returns from active service he may resume his previous position.

The Department desires to acknowledge the friendly co-operation of the county and township engineers and road superintendents and of the Suburban Commissions in the work carried out during the year. The Department is especially pleased over the attitude of the various municipalities toward the reduced appropriations made necessary by war conditions. The thoughtfulness and efficiency with which the appropriations were used is much appreciated.

APPENDICES

Nos. 1 to 12

APPENDIX No. 1

GROSS EXPENDITURES BY COUNTIES AND DISTRICTS

April 1, 1939, to March 31, 1940

County	Construction	Maintenance	Total
BRANT:—			
Highway No. 2	$ 3,848.64	$ 10,546.98	$ 14,395.62
“ No. 5	1,323.50	3,133.00	4,456.50
“ No. 24	2,472.00	7,690.00	10,162.00
“ No. 24A	494.00	2,293.00	2,787.00
“ No. 53	3,183.00	4,435.00	7,618.00
“ No. 54	450.79	11,831.68	12,282.47
“ No. 99	329.00	2,558.00	2,887.00
Blue Lake Road	18.00	1,082.00	1,100.00
Silver Street	478.00	1,792.00	2,270.00
	$ 12,596.93	$ 45,361.66	$ 57,958.59
BRUCE:—			
Highway No. 4	$ 1,547.01	$ 11,995.76	$ 13,542.77
“ No. 6	1,659.21	46,429.35	48,088.56
“ No. 9	908.45	21,536.88	22,445.33
“ No. 21	111,270.59	27,347.79	138,618.38
“ No. 86	274.45	5,793.38	6,067.83
	$ 115,659.71	$ 113,103.16	$ 228,762.87
CARLETON:—			
Highway No. 15	$ 1,601.66	$ 12,544.59	$ 14,146.25
“ No. 16	2,281.30	15,614.19	17,895.49
“ No. 17	846.44	12,349.22	13,195.66
“ No. 29	352.45	2,037.25	2,389.70
“ No. 31	50 679.26	13,173.57	63,852.83
“ No. 41	1,548.20	6,734.42	8,282.62
	$ 57,309.31	$ 62,453.24	$ 119,762.55
DUFFERIN:—			
Highway No. 9	$ 836.20	$ 13,823.31	$ 14,659.51
“ No. 10	2,191.81	10,690.78	12,882.59
“ No. 24	295.73	7,549.55	7,845.28
“ No. 89	267.35	8,601.77	8,869.12
	$ 3,591.09	$ 40,665.41	$ 44,256.50
ELGIN:—			
Highway No. 3	$ 5,950.61	$ 17,115.00	$ 23,065.61
“ No. 4	18,824.46	3,028.00	21,852.46
“ No. 19	2,451.08	6,515.00	8,966.08
“ No. 73	3,394.99	6,034.00	9,428.99
“ No. 74	11,132.95	3,816.00	14,948.95
“ No. 75	240.00	662.00	902.00
“ No. 76	243.00	895.00	1,138.00
“ No. 77	315.00	1,105.00	1,420.00
	$ 42,552.09	$ 39,170.00	$ 81,722.09
ESSEX:—			
Highway No. 2	$ 4,322.97	$ 10,564.42	$ 14,887.39
“ No. 3	51,433.88	9,400.35	60,834.23
“ No. 3B	21,387.47	1,109.38	22,496.85
“ No. 18	5,634.86	11,424.14	17,059.00
“ No. 18A	7,748.00	13,917.60	21,665.60
“ No. 18B	76.18	694.11	770.29
“ No. 39	925.42	7,728.53	8,653.95
“ No. 98	2,118.15	6,617.87	8,736.02
Pelee Island	151.51	1,889.42	2,040.93
Cameron Boulevard	3,738.58	20.23	3,758.81
	$ 97,537.02	$ 63,366.05	$ 160,903.07

County	Construction	Maintenance	Total
FRONTENAC:—			
Highway No. 2	$ 1,930.95	$ 7,849.16	$ 9,780.11
" No. 7	62,535.92	13,149.38	75,685.30
" No. 15	370.19	25,820.18	26,190.37
" No. 33	5,729.26	2,465.83	8,195.09
" No. 38	15,451.64	20,718.77	36,170.41
" No. 95	261.29	2,880.99	3,142.28
" No. 96	787.43	8,474.12	9,261.55
Road into Fort Henry	......	422.60	422.60
Fort Frederick Road to R. M. C.	38,941.75	......	38,941.75
Secondary Roads—			
Highway No. 41 to Peter's Crossing	3,466.81	1,493.84	4,960.65
	$ 129,475.24	$ 83,274.87	$ 212,750.11
GREY:—			
Highway No. 4	$ 1,364.58	$ 20,809.28	$ 22,173.86
" No. 6	1,984.77	19,919.27	21,904.04
" No. 10	2,803.25	13,582.03	16,385.28
" No. 21	2,866.72	3,764.27	6,630.99
" No. 24	108.95	2,863.18	2,972.13
" No. 26	717.11	30,000.10	30,717.21
	$ 9,845.38	$ 90,938.13	$ 100,783.51
HALDIMAND:—			
Highway No. 3	$ 2,805.07	$ 20,198.72	$ 23,003.79
" No. 6	56,076.16	15,214.93	71,291.09
" No. 54	583.51	7,988.37	8,571.88
" No. 56	629.40	4,050.22	4,679.62
	$ 60,094.14	$ 47,452.24	$ 107,546.38
HALTON:—			
Highway No. 2	$ 1,050.08	$ 11,516.33	$ 12,566.41
" No. 5	374.21	7,773.91	8,148.12
" No. 7	297.02	15,664.61	15,961.63
" No. 25	4,603.72	12,412.97	17,016.69
Queen Elizabeth Way	33,790.68	34,928.67	68,719.35
	$ 40,115.71	$ 82,296.49	$ 122,412.20
HASTINGS:—			
Highway No. 2	$ 162,151.10	$ 12,798.55	$ 174,949.65
" No. 7	5,020.86	20,314.65	25,335.51
" No. 14	3,686.73	11,691.36	15,378.09
" No. 28	1,874.66	3,911.81	5,786.47
" No. 33	5,077.63	12,343.05	17,420.68
" No. 37	3,417.17	22,017.44	25,434.61
" No. 62	13,343.88	35,875.57	49,219.45
Preliminary Survey	2,213.31	......	2,213.31
Secondary Roads—			
Highway No. 62 to Gilmour	......	4.90	4.90
Bancroft to Herman	......	9.54	9.54
Highway No. 62 to Baptiste Lake	25.65	415.73	441.38
Combermere to New Carlow	......	318.60	318.60
Maynooth to Nipissing Boundary	483.97	428.83	912.80
	$ 197,294.96	$ 120,130.03	$ 317,424.99

County	Construction	Maintenance	Total
HURON:—			
Highway No. 4	$ 1,589.72	$ 18,512.38	$ 20,102.10
" No. 8	4,882.11	8,827.24	13,709.35
" No. 9	28.08	409.21	437.29
" No. 21	4,871.22	30,046.28	34,917.50
" No. 23	1,009.62	2,358.61	3,368.23
" No. 81	52.95	4,072.78	4,125.73
" No. 83	860.55	12,744.08	13,604.63
" No. 84	435.27	6,300.38	6,735.65
" No. 86	743.35	16,665.06	17,408.41
" No. 87	426.47	9,297.28	9,723.75
	$ 14,899.34	$ 109,233.30	$ 124,132.64
KENT:—			
Highway No. 2	$ 6,940.19	$ 13,063.86	$ 20,004.05
" No. 3	4,226.59	12,177.12	16,403.71
" No. 21	3,558.97	5,779.29	9,338.26
" No. 40	3,180.87	7,609.39	10,790.26
" No. 78	2,701.65	2,559.60	5,261.25
" No. 79	2,757.56	1,243.34	4,000.90
" No. 98	177.45	533.42	710.87
	$ 23,543.28	$ 42,966.02	$ 66,509.30
LAMBTON:—			
Highway No. 7	$ 6,752.54	$ 17,485.07	$ 24,237.61
" No. 21	7,515.97	20,412.23	27,928.20
" No. 22	8.76	2,026.05	2,034.81
" No. 40	5,181.71	15,350.22	20,531.93
" No. 79	5,455.81	8,178.62	13,634.43
" No. 80	154.62	768.00	922.62
" No. 82	154.23	3,434.26	3,588.49
Point Edward to Perch Creek Diversion	104,042.84	619.66	104,662.50
Sarnia International Bridge	1,538.30	10.80	1,549.10
	$ 130,804.78	$ 68,284.91	$ 199,089.69
LANARK:—			
Highway No. 7	$ 2,247.69	$ 9,462.73	$ 11,710.42
" No. 15	608.19	14,644.55	15,252.74
" No. 29	2,060.46	18,738.07	20,798.53
" No. 44	369.67	1,608.08	1,977.75
Secondary Roads—			
Lanark-Renfrew Line to Township of Darling Line	....	2,423.40	2,423.40
	$ 5,286.01	$ 46,876.83	$ 52,162.84
LEEDS AND GRENVILLE:—			
Highway No. 2	$ 8,041.38	$ 34,646.22	$ 42,687.60
" No. 15	894.47	9,871.51	10,765.98
" No. 16	1,938.12	13,293.29	15,231.41
" No. 29	1,031.85	9,794.42	10,826.27
" No. 32	1,345.07	5,045.18	6,390.25
" No. 42	2,950.10	11,517.26	14,467.36
St. Lawrence River Road	442,459.24	4,278.58	446,737.82
Secondary Roads—			
Elgin-Chaffey's Locks	27.04	1,205.54	1,232.58
No. 2 to Ivy Lea	....	73.37	73.37
	$ 458,687.27	$ 89,725.37	$ 548,412.64

County	Construction	Maintenance	Total
LENNOX AND ADDINGTON:—			
Highway No. 2	$ 816.70	$ 7,711.57	$ 8,528.27
" No. 7	1,748.09	5,074.01	6,822.10
" No. 33	59,902.10	8,389.99	68,292.09
" No. 41	43,738.10	33,186.19	76,924.29
Preliminary Survey	1,659.99	....	1,659.99
Secondary Roads –			
Vennacher-Wemsley	....	291.51	291.51
	$ 107,864.98	$ 54,653.27	$ 162,518.25
LINCOLN:—			
Highway No. 8	$ 1,886.72	$ 17,248.51	$ 19,135.23
" No. 8A	162.62	898.34	1,060.96
" No. 20	2,066.38	8,312.06	10,378.44
" No. 57	1,003.94	3,116.35	4,120.29
" No. 58	106.25	837.82	944.07
Queen Elizabeth Way	1,056,793.32	3,786.55	1,060,579.87
	$1,062,019.23	$ 34,199.63	$1,096,218.86
MIDDLESEX:—			
Highway No. 2	$ 22,978.74	$ 26,069.39	$ 49,048.13
" No. 4	2,463.50	8,105.90	10,569.40
" No. 7	2,904.07	11,871.82	14,775.89
" No. 22	3,391.35	7,548.00	10,939.35
" No. 23	1,509.72	4,021.51	5,531.23
" No. 73	570.00	3,407.00	3,977.00
" No. 74	1,278.01	1,738.00	3,016.01
" No. 80	982.00	6,781.97	7,763.97
" No. 81	2,319.82	12,449.78	14,769.60
	$ 38,397.21	$ 81,993.37	$ 120,390.58
NORFOLK:—			
Highway No. 3	$ 3,590.79	$ 9,215.00	$ 12,805.79
" No. 6	398.00	2,870.00	3,268.00
" No. 19	18.00	1,204.00	1,222.00
" No. 24	1,976.00	8,855.00	10,831.00
" No. 59	322.00	963.00	1,285.00
Secondary Roads—			
Long Point Park Road	....	413.14	413.14
	$ 6,304.79	$ 23,520.14	$ 29,824.93
NORTHUMBERLAND AND DURHAM:—			
Highway No. 2	$ 12,674.48	$ 26,545.60	$ 39,220.08
" No. 7A	44,714.76	15,075.35	59,790.11
" No. 28	3,374.51	7,618.20	10,992.71
" No. 30	3,544.42	13,714.75	17,259.17
" No. 33	1,983.47	5,143.66	7,127.13
" No. 35	13,319.30	14,356.49	27,675.79
" No. 45	8,065.72	12,842.27	20,907.99
	$ 87,676.66	$ 95,296.32	$ 182,972.98
ONTARIO:—			
Highway No. 2	$ 346,999.48	$ 25,581.08	$ 372,580.56
" No. 7	967.47	8,912.16	9,879.63
" No. 7A	3,422.45	1,242.28	4,664.73
" No. 12	4,554.96	39,576.11	44,131.07
" No. 47	1,082.95	25,438.93	26,521.88
" No. 48	237.78	7,721.60	7,959.38
" No. 69	25.00	14,261.58	14,286.58
	$ 357,290.09	$ 122,733.74	$ 480,023.83

County	Construction	Maintenance	Total
OXFORD:—			
Highway No. 2	$ 2,685.00	$ 16,289.00	$ 18,974.00
" No. 3	22,984.12	644.00	23,628.12
" No. 19	24,449.09	10,700.00	35,149.09
" No. 53	1,954.87	1,182.00	3,136.87
" No. 59	1,864.00	13,703.00	15,567.00
" No. 97	677.00	12,310.07	12,987.07
Woodstock-Thamesford Road	990.00	6,730.00	7,720.00
Princeton North Road	18.00	1,144.00	1,162.00
	$ 55,622.08	$ 62,702.07	$ 118,324.15
PEEL:—			
Highway No. 2		$ 5,164.44	$ 5,164.44
" No. 5	1 152.85	6,233.10	7,385.95
" No. 7	5,025.28	13,571.63	18,596.91
" No. 9	278.11	7,071.48	7,349.59
" No. 10	6,371.73	19,327.71	25,699.44
" No. 24	249.02	6,930.52	7,179.54
" No. 50	195.45	19,115.68	19,311.13
" No. 51	21.24	898.28	919.52
Queen Elizabeth Way	20,697.58	27,142.89	47,840.47
	$ 33,991.26	$ 105,455.73	$ 139,446.99
PERTH:—			
Highway No. 7	$ 1,321.42	$ 8,153.32	$ 9,474.74
" No. 8	1,386.04	13,039.18	14,425.22
" No. 19	4,228.16	18,084.69	22,312.85
" No. 23	3,944.73	21,216.94	25,161.67
" No. 83	83.45	1,787.26	1,870.71
" No. 86	435.72	8,420.58	8,856.30
	$ 11,399.52	$ 70,701.97	$ 82,101.49
PETERBOROUGH:—			
Highway No. 7	$ 5,107.29	$ 19,128.35	$ 24,235.64
" No. 28	5,546.07	21,788.89	27,334.96
" No. 30	222.92	1,193.54	1,416.46
" No. 36	22,750.73	12,422.89	35,173.62
" No. 45	1,597.42	3,280.32	4,877.74
Secondary Roads—			
Apsley-Haliburton Apsley-Chandos Apsley-Loon Lake	3,417.11	2,123.95	5,541.06
Kinmount-Burnt River	218.64	177.00	395.64
Bobcaygeon-Burnt River	123.83	354.01	477.84
Catchacoma-Haliburton	433.45	1,238.97	1,672.42
Mining Roads –			
White Valley Chemicals Mine	2,322.63		2,322.63
Canadian Flint and Spar Mine	10,687.65		10,687.65
	$ 52,427.74	$ 61,707.92	$ 114,135.66
PRESCOTT AND RUSSELL:–			
Highway No. 17	$ 71,160.92	$ 34,940.97	$ 106,101.89
" No. 34	15,246.89	5,763.15	21,010.04
	$ 86,407.81	$ 40,704.12	$ 127,111.93
PRINCE EDWARD:—			
Highway No. 14	$ 4,251.19	$ 9,250.62	$ 13,501.81
" No. 33	4,336.01	12,055.39	16,391.40
" No. 41	869.10	5,234.71	6,103.81
	$ 9,456.30	$ 26,540.72	$ 35,997.02
RENFREW:—			
Highway No. 17	$ 163,297.32	$ 105,644.46	$ 268,941.78
" No. 29	40.27	231.75	272.02
" No. 41	28,576.87	13,130.86	41,707.73
" No. 60	10,494.41	27,715.66	38,210.07
" No. 62	5,579.47	15,141.56	20,721.03
Preliminary Survey	1,659.99		1,659.99

County	Construction	Maintenance	Total
Secondary Roads			
Combermere-Quadeville	627.64	411.63	1,039.27
Killaloe-Round Lake	189.13	416.35	605.48
Wilno-Rockingham-Brudenell-Killaloe	3,450.86	261.35	3,712.21
Killaloe-South Algona Boundary	53.85	198.04	251.89
Griffith-Black Donald	....	154.11	154.11
Dacre-Shamrock	....	9.60	9.60
Cormac-Eganville	....	635.13	635.13
Caldwell-Dacre	6.80	175.01	181.81
Burnstown to Black Donald, Calabogic to North Darling Township L.	58.60	7,058.60	7,117.20
	$ 214,035.21	$ 171,184.11	$ 385,219.32
SIMCOE:—			
Highway No. 9	$ 235.32	$ 5,957.14	$ 6,192.46
" No. 11	3,452.59	31,950.05	35,402.64
" No. 12	7,684.64	35,466.67	43,151.31
" No. 24	357.98	8,522.31	8,880.29
" No. 26	350.49	18,372.95	18,723.44
" No. 27	412.80	42,561.28	42,974.08
" No. 88	21,890.49	4,264.09	26,154.58
" No. 89	495.16	12,744.34	13,239.50
" No. 90	153,838.69	8,394.54	162,233.23
" No. 91	52.63	3,425.33	3,477.96
" No. 92	6,380.32	8,441.95	14,822.27
" No. 93	1,282.78	33,860.91	35,143.69
Secondary Roads—			
Lawson-Port Severn	58.48	....	58.48
	$ 196,492.37	$ 213,961.56	$ 410,453.93
STORMONT, DUNDAS AND GLENGARRY:—			
Highway No. 2	$ 3,930.45	$ 39,914.22	$ 43,844.67
" No. 31	962.51	12,899.97	13,862.48
" No. 34	145,491.49	16,121.45	161,612.94
" No. 43	26,754.27	19,843.47	46,597.74
	$ 177,138.72	$ 88,779.11	$ 265,917.83
VICTORIA:—			
Highway No. 7	$ 5,017.39	$ 11,135.83	$ 16,153.22
" No. 35	33,225.56	20,799.00	54,024.56
" No. 36	16,845.20	41,011.45	57,856.65
" No. 46	3,269.29	19,444.23	22,713.52
Secondary Roads—			
Burnt River-Norland-Kinmount	1,942.87	1,592.97	3,535.84
Bobcaygeon-Burnt River	123.83	354.01	477.84
Seabright-Uphill-Norland	1,053.38	3,008.94	4,062.32
	$61,477.52	$ 97,346.43	$ 158,823.95
WATERLOO:—			
Highway No. 7	$ 475.24	$ 4,796.09	$ 5,271.33
" No. 8	14,462.83	6,026.97	20,489.80
" No. 24	1,285.72	3,532.14	4,817.86
" No. 24A	423.00	1,190.34	1,613.34
" No. 85	646.82	7,800.15	8,446.97
" No. 86	20,444.65	8,719.80	29,164.45
" No. 97	347.83	9,152.17	9,500.00
	$ 38,086.09	$ 41,217.66	$ 79,303.75

County	Construction	Maintenance	Total
WELLAND:—			
Highway No. 3	$ 1,757.68	$ 12,245.37	$ 14,003.05
" No. 3A	3,860.52	5,130.91	8,991.43
" No. 3C	657.29	1,744.12	2,401.41
" No. 8	121.71	1,233.97	1,355.68
" No. 20	1,556.69	6,950.47	8,507.16
" No. 57	2,490.23	3,318.38	5,808.61
" No. 58	2,123.57	3,652.94	5,776.51
Queen Elizabeth Way	403,718.92	378.66	404,097.58
	$ 416,286.61	$ 34,654.82	$ 450,941.43
WELLINGTON:—			
Highway No. 6	$ 4,817.89	$ 24,785.07	$ 29,602.96
" No. 7	372.36	7,234.76	7,607.12
" No. 9	1,275.65	13,738.83	15,014.48
" No. 23	70.18	966.78	1,036.96
" No. 24	1,393.28	14,762.67	16,155.95
" No. 86	426.46	8,314.84	8,741.30
" No. 87	142.77	3,120.62	3,263.39
	$ 8,498.59	$ 72,923.57	$ 81,422.16
WENTWORTH:—			
Highway No. 2	$ 1,597.04	$ 10,345.17	$ 11,942.21
" No. 5	689.99	9,381.58	10,071.57
" No. 5B	244.40	8,513.61	8,758.01
" No. 6	5,166.46	13,442.66	18,609.12
" No. 8	2,146.57	11,882.43	14,029.00
" No. 20	1,313.46	13,840.69	15,154.15
" No. 20A	53.30	1,122.15	1,175.45
" No. 52	509.35	6,380.00	6,889.35
" No. 53	686.04	5,459.49	6,145.53
" No. 55	267.64	1,789.74	2,057.38
" No. 56	785.66	2,467.33	3,252.99
" No. 97	1,274.00	8,491.02	9,765.02
Dundas Diversion	2,581.81	1,642.14	4,223.95
Queen Elizabeth Way	303,644.32	1,640.93	305,285.25
	$ 320,960.04	$ 96,398.94	$ 417,358.98
YORK:—			
Highway No. 2	$ 354,140.83	$ 17,544.10	$ 371,684.93
" No. 5	5,929.04	3,479.74	9,408.78
" No. 5A	462.15	4,729.81	5,191.96
" No. 7	9,610.44	15,708.42	25,318.86
" No. 9	84.56	2,014.31	2,098.87
" No. 11	2,319.11	21,794.14	24,113.25
" No. 27	11,844.70	26,192.99	38,037.69
" No. 49	10.94	7,884.46	7,895.40
Queen Elizabeth Way	1,511,765.90	3,582.93	1,515,348.83
	$ 1,896,167.67	$ 102,930.90	$ 1,999,098.57

District	Construction	Maintenance	Total
DISTRICT OF HALIBURTON:—			
Highway No. 28	$ 974.30	$ 1,955.88	$ 2,930.18
" No. 35	1,972.29	38,962.90	40,935.19
" No. 60	3,030.26	5,119.14	8,149.40
Secondary Roads—			
Minden-Redstone Lake Road	$ 1,560.21	$ 9,648.04	$ 11,208.25
Haliburton-Wilberforce Road	11,473.68	8,606.48	20,080.16
Minden-Kinmount Road	682.86	2,679.14	3,362.00
Kinmount-Wilberforce Road	18,920.46	5,769.11	24,689.57
Canarvon-Haliburton Road	733.30	3,059.66	3,792.96
	$ 39,347.36	$ 75,800.35	$ 115,147.71
DISTRICT OF MUSKOKA:—			
Highway No. 11	$ 46,800.55	$ 61,461.77	$ 108,262.32
" No. 35	14,029.17	8,301.98	22,331.15
No. 60	18,842.28	7,370.57	26,212.85
" No. 69	24,195.08	25,385.00	49,580.08
Preliminary Surveys	3,108.58	....	3,108.58
Secondary Roads—			
Huntsville-Baysville	$ 3,118.68	$ 8,028.90	$ 11,147.58
Bracebridge-Dorset	1,323.39	11,235.63	12,559.02
Bracebridge-Glen Orchard	1,599.35	7,977.63	9,576.98
Rosseau Road	485.30	12,024.08	12,509.38
Highway No. 11-Utterson-Windermere	393.61	7,232.69	7,626.30
Township Roads—			
Sinclair Township	$ 1,127.14	$ 88.79	$ 1,215.93
Baxter Township	1,386.56	2,936.60	4,323.16
Sanatorium Road	....	594.28	594.28
	$ 116,409.69	$ 152,637.92	$ 269,047.61
DISTRICT OF PARRY SOUND:—			
Highway No. 11	$ 33,707.34	$ 41,346.62	$ 75,053.96
" No. 69	192,978.26	43,321.66	236,299.92
Secondary Roads—			
Elmsdale-Kearney-Sand Lake	$ 346.85	$ 3,148.24	$ 3,495.09
Elmsdale-Sprucedale-Parry Sound	153.84	7,962.89	8,116.73
Seguin Falls-North Sequin	....	700.39	700.39
Rosseau-Hayes Corner	14,366.66	2,773.31	17,139.97
Waubamic-Lorimer Lake and Boakview	....	4.51	4.51
Dunchurch-Maple Island and Ardbeg	....	2,711.12	2,711.12
Burks Falls-Parry Sound	32,845.62	23,418.55	56,264.17
Sundridge-Magnetawan	8.16	13,294.89	13,303.05
South River-Eagle Lake	....	549.25	549.25
Trout Creek-Loring	13,546.49	23,370.31	36,916.80
Powassan-Restoule	485.68	15,393.74	15,879.42
Powassan-Chisholm	....	866.19	866.19
Lighthouse Beach Road	....	1,719.47	1,719.47
Nipissing to Fish Bay	....	423.40	423.40
Township Roads—			
Patterson Township	$ 711.12	....	$ 711.12
Hardy "	1,283.24	....	1,283.24
Wilson "	667.95	....	667.95
Henvey "	481.72	....	481.72
Wallbridge "	294.20	....	294.20
McConkey "	654.85	....	654.85
Mills "	1,282.10	....	1,282.10
Pringle "	1,620.53	....	1,620.53
Gurd "	2,259.74	....	2,259.74
Laurier "	1,102.39	....	1,102.39
Lount "	1,382.88	....	1,382.88
McKenzie "	1,164.17	....	1,164.17
Harrison "	3,016.82	....	3,016.82
Burpee "	129.03	....	129.03
Croft "	2,166.61	....	2,166.61
Proudfoot "	646.72	....	646.72

District	Construction	Maintenance	Total
Township Roads Con't.—			
Spence "	1,673.25		1,673.25
Ferguson "	104.46		104.46
Monteith "	1,235.42		1,235.42
Bethune "	799.79		799.79
Conger "	440.88		440.88
	$ 311,556.77	$ 181,004.54	$ 492,561.31
DISTRICT OF NIPISSING:—			
Highway No. 11	$ 1,071,393.01	$ 56,310.09	$ 1,127,703.10
" No. 17	191,412.89	54,836.65	246,249.54
" No. 60	20,364.21	40,936.07	61,300.28
" No. 63	39,638.37	15,669.17	55,307.54
" No. 64	55,357.12	15,420.78	70,777.90
" No. 94	4,182.46	9,146.43	13,328.89
Secondary Roads—			
Nipissing Boundary-Whitney	512.20		512.20
Hastings Boundary-Whitney		373.79	373.79
Nipissing Boundary-Madawaska		135.54	135.54
Princess Lake Road	782.76		782.76
Mattawa-Temiskaming	949.82		949.82
Mattawa-Harrington Creek		69.90	69.90
Mattawa-Callander	1,362.89	3,357.50	4,720.39
Field-Verner-Lavigne	1,198.80	1,567.82	2,766.62
Field-River Valley-Afton Mine	11,337.64	1,424.71	12,762.35
River Valley-Warren	285.01	1,508.09	1,793.10
Hagar-Rutter-Bigwood-Wolseley Bay	8,941.73	9,941.53	18,883.26
Highway No. 11 to North Bay Airport	91,193.00	542.84	91,735.84
Township Roads—			
Phelps Township	1,543.10	69.80	1,612.90
Grant "	327.75		327.75
Bastedo "	485.30		485.30
Gibbons "	516.45		516.45
Badgerow "	1,053.65		1,053.65
Crerar "	1,455.75		1,455.75
Hugel "	1,322.05	62.60	1,384.65
Kirkpatrick "	1,718.81	6.71	1,725.52
MacPherson "	2,061.31		2,061.31
Louden "	1,235.15		1,235.15
Falconer "	595.50		595.50
Scollard "	2,095.10		2,095.10
Henry "	647.62		647.62
Delamere "	1,887.24		1,887.24
Bigwood "	1,867.07		1,867.07
Boulter "	131.70		131.70
Pedley "	347.60		347.60
Calvin "	35.00		35.00
Bonfield "	195.00		195.00
Chisholm "	1,114.87	3,604.35	4,719.22
West Ferris "	56.70	33.51	90.21
Widdifield "	383.33		383.33
Field "	1,259.60		1,259.60
Caldwell "	(Cr.) 1,025.27		(Cr.) 1,025.27
Ratter & Dunnet Townships	78.17		78.17
Casimir, Appleby & Jennings Townships	390.10		390.10
Mason & Cosby Townships	249.80		249.80
Thistle Township	103.70		103.70
French Township	2,703.28		2,703.28
	$ 1,523,747.34	$ 215,017.88	$ 1,738,765.22
DISTRICT OF TEMISKAMING:—			
Highway No. 11	$ 3,732,569.38	$ 109,565.91	$ 3,842,135.29
" No. 65	25,916.79	64,830.26	90,747.05
" No. 66	4,200.00		4,200.00

District	Construction	Maintenance	Total
Temiskaming:- (Con't)			
Secondary Roads —			
Lorrain Road	856.30	3,845.96	4,702.26
Haileybury West Road	820.29	3,951.24	4,771.53
North Temiskaming Road	2,472.52	9,917.33	12,389.85
Dawson's Point Road		17.12	17.12
Casey-Brethour	1,060.88	1,949.09	3,009.97
Greenwood's Bridge Road	689.45	655.23	1,344.68
Earlton-Hilliardton	1,118.56	978.02	2,096.58
Hilliardton-Tomstown-Heaslip	445.86	1,742.79	2,188.65
Wendigo Road		100.64	100.64
Englehart-Skead	213.73	86.47	300.20
Krugerdorf-Boston Creek	406.84	1,259.12	1,665.96
Charlton Road	2,207.61	3,449.06	5,656.67
Charlton-Elk Lake	1,699.42	3,551.10	5,250.52
Milberta Road	54.78	1,636.30	1,691.08
Uno Park Road	8.00	433.64	441.64
McCool Road	412.55	306.15	718.70
Ashley Mines Road	7,297.47	3,201.06	10,498.53
Elk Lake-Gowganda-Westree	16,044.51	5,561.16	21,605.67
Township Roads—			
Firstbrook Township	212.00	24.81	236.81
Ingram "	2,348.00	181.36	2,529.36
Pense "	441.61		441.61
Marter "	3,970.23	611.28	4,581.51
Pacaud "	3,528.25	104.24	3,632.49
Catherine "	2,359.29	2.88	2,362.17
Robillard "	2,291.42	81.92	2,373.34
Sharpe "	1,523.32	81.92	1,605.24
Savard "	2,199.58	81.92	2,281.50
Bryce "	763.15	1.35	764.50
Beauchamp "	851.07	113.77	964.84
Henwood "	2,210.08	389.22	2,599.30
Cane "	1,166.93	320.93	1,487.86
Barber "	205.85	11.60	217.45
Tudhope "	669.34	129.08	798.42
Marquis "	2,901.05	81.92	2,982.97
Otto "	1,779.64	81.92	1,861.56
Eby "	2,402.94	112.00	2,514.94
Lundy "	122.21		122.21
Blain "	729.34		729.34
Cairo "	154.06	21.67	175.73
South Lorrain "	1,168.91		1,168.91
Yarrow "	16.78		16.78
Coleman "	1,077.23		1,077.23
Bucke "	38.90		38.90
Brethour "	56.07		56.07
James "	614.59		614.59
	$3,834,296.78	$ 219,471.44	$4,053,768.22
Connecting Link, Highway No. 11 through Town of Cobalt		109.35	109.35
	$3,834,296.78	$ 219,580.79	$4,053,877.57
District of South Cochrane:—			
Highway No. 11	$ 35,306.48	$ 81,783.45	$ 117,089.93
" No. 66	105,029.94	49,529.87	154,559.81
" No. 67	323,684.89	63,932.06	387,616.95
Secondary Roads—			
Goldthorpe Road	508.32	267.98	776.30
Old Road Matheson to Ramore	269.15	446.65	715.80
Munro Road	2,313.30	16,864.93	19,178.23
Matheson-Shillington-Hoyle-Barbers Bay	1,211,949.77	466.37	1,212,416.14
Shillington-Monteith-Iroquois Falls	5,456.00	3,043.25	8,499.25
Connaught to Nighthawk Centre	17.04	889.24	906.28
Iroquois Falls to Highway No. 11	502.32	334.62	836.94

District	Construction	Maintenance	Total
South Cochrane:- (Con't)			
Secondary Roads—			
South Road Golden City to Timmins.	27,072.37	8,845.77	35,918.14
Bidgood Mine Road		44.67	44.67
Sesekinika Road		1.92	1.92
Ross Mine Road	410.00	1,130.59	1,540.59
Coulson Mine Road	76.63	166.80	243.43
Timmins to Sandy Falls and West Road	2,154.95	582.25	2,737.20
Naybob, Delnite and Augite Mine Road	2,594.89	719.67	3,314.56
Township Roads—			
McGarry, McVittie, Gauthier and Lebel Townships	40.94	77.02	117.96
Benoit Township	1,629.00		1,629.00
McCann "	48.31		48.31
Hislop "	9,184.84	52.80	9,237.64
Beatty "	2,059.51		2,059.51
Bowman "	656.94	19.80	676.74
Currie "	1,397.13		1,397.13
Bond "	267.04		267.04
Carr "	1,559.71	19.80	1,579.51
Taylor "	5,218.51	52.80	5,271.31
Stock "	3,744.68		3,744.68
German "	1,706.55		1,706.55
Walker "	1,279.61		1,279.61
Clergue "	1,562.88		1,562.88
Dundonald "	998.56	33.40	1,031.96
McCart "	1,832.34		1,832.34
Newmarket "	1,201.92		1,201.92
Matheson "	21.00		21.00
Mountjoy "	2,375.55		2,375.55
Ogden "	471.89		471.89
Deloro "	1.94	3.53	5.47
Whitney "	274.00		274.00
Mining Roads—			
Kerr-Addison-Cheminis Mine Road	17,870.19		17,870.19
Omega Mine Road		13.80	13.80
DeSantis Mine Road	108.00	77.50	185.50
Melba Mine Road	1,978.92		1,978.92
Credo-Porcupine Mine Road	5,005.96		5,005.96
Kelrowe Mine Road	1,528.82		1,528.82
Beaverhouse-Argonaut Mine Road	2,036.16		2,036.16
Upper Canada Mine Road	1,568.02	5.13	1,573.15
Faymar Mine Road	4,021.54	18.36	4,039.90
Preston East Dome Mine Road		17.50	17.50
Triplex Mine Road	367.03		367.03
Golden Gate Mine Road	5,017.03		5,017.03
	$1,794,380.57	$ 229,441.53	$2,023,822.10
DISTRICT OF NORTH COCHRANE:—			
Highway No. 11	$ 139,163.91	$ 82,201.04	$ 221,364.95
Secondary Roads—			
Norembega	83.60	5,980.21	6,063.81
Genier Road	88.75	1,010.39	1,099.14
Gardiner Road	539.19	2,109.06	2,648.25
Casgrain Lake Road	2,213.60	783.71	2,997.31
Hearst-Coppell Road	10,785.94	6,282.00	17,067.94
Ryland Road		930.26	930.26
Township Roads—			
Pyne Township	1,256.18	443.44	1,699.62
Fox "	6,520.48	430.39	6,950.87
Kennedy "	4,064.34	445.99	4,510.33
Brower "	1,775.62	192.91	1,968.53
Lamarche "	3,567.74	616.84	4,184.58
Fournier "	3,707.65	729.16	4,436.81
Clute "	9,472.93	1,820.64	11,293.57

District	Construction	Maintenance	Total
North Cochrane (Con't)			
Township Roads—			
Leitch "	4,549.82	711.11	5,260.93
Calder "	5,899.90	1,556.82	7,456.72
Colquhoun "	2,223.40	...	2,223.40
Kendrey "	796.82	124.71	921.53
Shackleton "	3,425.13	...	3,425.13
Haggart "	4,158.76	163.36	4,322.12
Nansen "	1,277.14	145.36	1,422.50
O'Brien "	7,944.89	1,768.54	9,713.43
Owens "	11,488.46	1,300.44	12,788.90
Williamson "	5,160.56	327.54	5,488.10
Idington "	4,746.88	976.27	5,723.15
McCrea "	6,977.41	1,239.22	8,216.63
McGowan "	546.76	...	546.76
Eilber "	4,576.85	738.99	5,315.84
Devitt "	6,159.60	1,440.55	7,600.15
Kendall "	8,269.96	2,207.17	10,477.13
Casgrain "	1,120.00	2,510.23	3,630.23
Lowther "	441.28	1,274.52	1,715.80
Way "	5,467.19	1,533.27	7,000.46
Hanlan "	6,875.43	1,994.21	8,869.64
	$ 275,346.17	$ 123,988.35	$ 399,334.52
DISTRICT OF SUDBURY:—			
Highway No. 17	$ 863,843.36	$ 72,941.03	$ 936,784.39
Secondary Roads—			
Sudbury-Burwash	2,760.37	9,922.21	12,682.58
Sudbury-Long Lake	1,230.14	4,196.78	5,426.92
Sudbury-Levack-Benny	29,020.11	59,435.69	88,455.80
Chelmsford-Blezard	219.74	13,838.38	14,058.12
Sudbury-Capreol-Milnet	1,126.88	22,901.22	24,028.10
Hanmer-Skead	135.41	2,264.87	2,400.28
Sudbury-Falconbridge	4,326.75	25,045.78	29,372.53
Hagar-Veuve	974.43	2,922.77	3,897.20
Markstay North and South	676.79	4,664.24	5,341.03
Wahnapitae North and South	1,493.21	3,235.51	4,728.72
Coniston-Garson	895.04	2,040.35	2,935.39
Whitefish-Penage	573.24	8,256.62	8,829.86
Trout Lake-Copper Cliff	...	647.11	647.11
Highway No. 17 to Creighton Road	...	1,224.20	1,224.20
Copper Cliff-Creighton	913.49	4,193.84	5,107.33
Sudbury-Frood	...	65.99	65.99
Foleyet-Ivanhoe	21.24	114.11	135.35
Chapleau-Iron Bridge	4,531.30	131.70	4,663.00
Township Roads—			
Loughrin Township	342.97	1,721.31	2,064.28
Street "	163.59	88.35	251.94
Awrey "	1,924.75	130.64	2,055.39
Dryden "	891.03	472.43	1,363.46
Cleland "	642.99	677.87	1,320.86
Broder "	677.47	1,802.81	2,480.28
Dill "	361.38	423.50	784.88
Trill "	...	104.98	104.98
Snider "	294.82	124.06	418.88
Creighton "	586.67	5.32	591.99
Fairbank "	476.93	563.67	1,040.60
Morgan "	143.70	135.33	279.03
Lumsden "	327.09	102.28	429.37
Capreol "	153.41	421.71	575.12
Falconbridge "	58.86	149.24	208.10
Burwash "	874.94	507.54	1,382.48
Hawley "	76.61	...	76.61
Neelon "	32.04	...	32.04
McKim "	421.11	...	421.11
Blezard "	272.97	...	272.97
Hanmer "	...	10.54	10.54
Garson "	...	47.23	47.23

District	Construction	Maintenance	Total
Sudbury (Con't)			
Mining Roads—			
Lebel-Oro-Naughton		116.05	116.05
Benny-Lake Geneva		24.85	24.85
Westree-Houston Lake	12,914.05	330.14	13,244.19
	$ 934,378.88	$ 246,002.25	$ 1,180,381.13
DISTRICT OF ALGOMA-MANITOULIN:—			
Highway No. 17	$ 666,036.02	$ 166,262.28	$ 832,298.30
" No. 68	2,650.12	11,506.45	14,156.57
Secondary Roads—			
Little Current to Gore Bay	4,059.61	16,040.25	20,099.86
Gore Bay-Providence-Mindemoya	1,734.58	1,869.03	3,603.61
West Bay-Tehkummah	454.05	7,681.61	8,135.66
Gore Bay-Meldrum Bay	427.45	9,808.66	10,236.11
Little Current-South Baymouth	1,951.57	15,588.37	17,539.94
Blind River-Lake Duborne		284.26	284.26
Matinenda Road	644.75	865.25	1,510.00
Iron Bridge-Hooverville		1,880.18	1,880.18
Thessalon-Hooverville	13,185.85	2,041.21	15,227.06
Hooverville North	3,028.68	3,477.58	6,506.26
White River Road	934.40	2,164.14	3,098.54
Dunn's Valley Road	1,363.35	2,857.85	4,221.20
St. Joseph's Island Belt Line	3,632.78	17,669.73	21,302.51
Sauble River Road		3,243.32	3,243.32
Township Roads—			
Dawson Township	560.03		560.03
Robinson "	931.70	390.81	1,322.51
Mills "	862.05	265.49	1,127.54
Campbell "	1,673.15	128.86	1,802.01
Mongowan "	1,084.06		1,084.06
Merritt "	1,001.50	217.60	1,219.10
Foster "	810.50	454.35	1,264.85
Victoria "	1,279.10	786.00	2,065.10
McKinnon "		352.60	352.60
Sheddon "	821.20	220.30	1,041.50
Striker "	638.66	850.21	1,488.87
Cobden "	1,262.30	1,137.20	2,399.50
Pattan "		60.50	60.50
Bright "	774.06	132.85	906.91
Gladstone "		192.10	192.10
Kirkwood "		20.90	20.90
Rose "	1,867.19	280.97	2,148.16
Galbraith "	870.55		870.55
Plummer "	626.25	436.40	1,062.65
Aberdeen "	758.20	187.00	945.20
Rutherford and George Island Twp.	185.45		185.45
Baldwin Township	512.73		512.73
Louise "	582.67	846.73	1,429.40
Lorne "	286.93	1,731.07	2,018.00
	$ 717,491.49	$ 271,932.11	$ 989,423.60
DISTRICT OF SAULT STE. MARIE:—			
Highway No. 17	$ 221,403.70	$ 55,124.15	$ 276,527.85
Secondary Roads—			
Second Line (Gros Cap)		6,925.09	6,925.09
Island Lake to Wabas	743.56	2,601.89	3,345.45
Peoples Road		3,666.14	3,666.14
Crystal Falls Road	812.72	1,353.91	2,166.63
Point Aux Pins Road	3,914.96	390.08	4,305.04
Groulaix River to White Birches		721.79	721.79
Bellevue Valley Road		1,349.85	1,349.85
Hornepayne Road	3,025.79		3,025.79
Township Roads—			
Hodgins Township	1,284.18	495.99	1,780.17
Gaudette "	2,194.28	987.24	3,181.52
Shields "		77.40	77.40
Pennefather "		178.45	178.45

District Sault Ste. Marie:- (Con't)	Construction	Maintenance	Total
Township Roads—			
Fenwick "	292.64	431.00	723.64
Kars "		346.13	346.13
Mining Roads—			
Wawa to Michipicoten River	317.80	707.38	1,025.18
Wawa City to Minto Grace Mine	22.00	200.00	222.00
Michipicoten River to Michipicoten Harbour	2,627.87		2,627.87
Hawk Junction to Murray Algoma Mine	31.47	212.50	243.97
Helen Mine Road	1,476.11		1,476.11
Hiawatha Mine Road	596.44		596.44
Regenary Mine Road	1,662.71		1,662.71
Algoma Mine Properties		300.00	300.00
Goudreau to Lochalsh		672.02	672.02
	$ 240,406.23	$ 76,741.01	$ 317,147.24
DISTRICT OF PORT ARTHUR:—			
Highway No. 11	$ 61,467.61		$ 61,467.61
" No. 17	78,190.07	28,317.19	106,507.26
" No. 17A	25,624.23	11,839.40	37,463.63
Secondary Roads—			
Oliver Road	5,045.80	8,386.28	13,432.08
Dog Lake Road	6,136.17	5,477.36	11,613.53
Silver Island Road	2,046.61	5,898.70	7,945.31
Nipigon-Beardmore Road	1,482,511.58	3,870.68	1,486,382.26
Beardmore-Geraldton Road	653,096.71	7,742.98	660,839.69
Devon Road	2,209.15		2,209.15
Preliminary Surveys	32,889.67		32,889.67
Township Roads—			
Gorham Township	1,856.35	1,517.17	3,373.52
Ware "	2,166.96	371.38	2,538.34
Jacques "	756.83	53.52	810.35
Fowler "	145.30		145.30
Sibley "	845.14	15.40	860.54
Dorion "	1,324.40	620.91	1,945.31
Stirling "	936.59	5.68	942.27
Lyons "	960.03	162.11	1,122.14
Nakina "	638.70	162.11	800.81
Armstrong "	242.55	380.72	623.27
Indian Reserve	1,372.45		1,372.45
Graham Area	822.98		822.98
Booth Township	244.15		244.15
Port Caldwell Area	290.90		290.90
Mining Roads—			
Nazah-Sturgeon River Mine Road	11,515.71		11,515.71
Bankfield Mine Road	2,918.22		2,918.22
Geraldton-Little Long Lac Road	24,235.34		24,235.34
Northern Empire Mine Road	6,096.17		6,096.17
	$2,406,586.37	$ 74,821.59	$2,481,407.96
DISTRICT OF FORT WILLIAM.—			
Highway No. 17	$ 28,707.15	$ 27,495.00	$ 56,202.15
Highway No. 61	160,184.83	52,818.14	213,002.97
Secondary Roads—			
Silver Mountain Road	40,777.15	7,154.69	47,931.84
Kakabeka-Nolalu Road	40,305.48	5,341.01	45,646.49
Hymers-Scoble Road	38,632.10	6,708.11	45,340.21
Pearson-Pardee Road	41,354.81	7,565.73	48,920.54
Twin City Cross Road	37,001.64	5,705.88	42,707.52
Kashiebowie Road	36,269.41	3,186.49	39,455.90
Devon Road	37,456.36	6,708.09	44,164.45

District	**Construction**	**Maintenance**	**Total**
Fort William:- (Con't)			
Township Roads—			
Marks Township	2,310.27	779.11	3,089.38
Lybster "	1,303.36	870.88	2,174.24
Strange "	668.67	880.35	1,549.02
Devon "	895.30		895.30
Scoble "	5,099.48	1,506.57	6,606.05
Pearson "	5,858.77	145.15	6,003.92
Dawson Road Lots	2,610.19	670.30	3,280.49
Forbes "	3,819.69	975.53	4.795.22
Goldie "	1,136.59	200.03	1,336.62
Upsala "	1,504.35	550.08	2,054.43
Mining Roads—			
Pickle Crow-Albany Mine Road	5,000.00		5,000.00
Savant Lake-Sturgeon Lake Road	3,123.56		3,123.56
	$ 494,019.16	$ 129,261.14	$ 623,280.30
DISTRICT OF KENORA:—			
Highway No. 17	$ 294,150.33	$ 80,003.64	$ 374,153.97
" No. 70	863,477.20	23,851.22	887,328.42
" No. 72	6,012.01	14,412.43	20,424.44
Secondary Roads—			
Dyment Road	70.02	372.41	442.43
Rice Lake Loop Road	357.09	2,317.10	2,674.19
Richan Road	291.84	2,133.98	2,425.82
Aubrey-Eton Road	965.15	1,008.53	1,973.68
Pine Grove Road	495.92	2,084.52	2,580.44
Quibell Road	1,490.05	4,756.60	6,246.65
South Aubrey Road	2,121.68	2,995.64	5,117.32
East Melick Road	5,072.68	3,490.31	8,562.99
Redditt Road	3,084.03	7,395.13	10,479.16
Pellatt Loop Road	11,575.58	4,173.29	15,748.87
Rabbit Lake Road	2,687.08	2,043.78	4,730.86
Township Roads—			
Melgund Township	6,674.18	1,079.29	7,753.47
Southworth "	6,101.15	450.68	6,551.83
Zealand "	13,650.65	1,384.22	15,034.87
Van Horne "	107.85	125.10	232.95
Wainwright "	2,870.48	669.41	3,539.89
Britton "	1,267.05	247.96	1,515.01
Rowell "	2,707.20	526.90	3,234.10
Aubrey "	1,849.14	253.23	2,102.37
Eton "	3,717.26	924.57	4,641.83
Rugby "	3,685.22	625.73	4,310.95
Sanford "	126.04	37.51	163.55
Temple "	8.21		8.21
Mutrie "	2,928.04	987.50	3,915.54
Langton "	454.42	5.52	459.94
Wabigoon "	4,561.86	2,944.69	7,506.55
Redvers "	3,681.46	1,682.48	5,363.94
Jaffrey "	580.27	493.49	1,073.76
Melick "	83.23		83.23
Pellatt "	1,781.97	605.08	2,387.05
Boys "	2.03		2.03
Gidley "	.60		.60
Drayton "		207.61	207.61
Unsurveyed Territory	328.59	507.37	835.96
Mining Roads—			
Kenricia Mine Road	3,561.41		3,561.41
Gold Pines-Uchi Mine Road	105,131.98		105,131.98
	$1,357,710.95	$ 164,796.92	$1,522,507.87

District	Construction	Maintenance	Total
DISTRICT OF RAINY RIVER:—			
Highway No. 70	$ 294,764.16	$ 18,327.33	$ 313,091.49
" No. 70A	2,473.00	6,420.32	8,893.32
" No. 71	72,122.49	32,300.93	104,423.42
Secondary Roads—			
Border Mill Road	1,524.88	1,188.91	2,713.79
Frog Creek Road	899.22	2,370.37	3,269.59
Crozier Road	927.03	3,100.30	4,027.33
LaVallee Road	2,737.69	3,892.65	6,630.34
Devlin Road	3,428.43	5,237.82	8,666.25
Banhart Road	1,191.27	2,401.96	3,593.23
Clearwater Lake Road	660.17	2,617.34	3,277.51
Stratton Road	3,881.05	5,402.07	9,283.12
Arbor Vitae Road	2,948.47	6,511.81	9,460.28
Sleeman Road	9,764.29	13,266.84	23,031.13
Spohn Road	1,350.95	4,475.89	5,826.84
Spohn River Road	1,587.80	4,238.83	5,826.63
Dearlock Road	2,015.14	4,348.96	6,364.10
River Road	17,026.44	8,049.74	25,076.18
Township Roads—			
Miscampbell Township	1,514.40		1,514.40
Dance "	605.00		605.00
Kingsford "	1,245.20		1,245.20
Sifton "	1,416.02		1,416.02
Dewart "	672.65		672.65
Sutherland "	860.05		860.05
Nelles "	578.40		578.40
Pratt "	353.75		353.75
Spohn "	1,364.05		1,364.05
Mining Roads—			
Atikokan-Steep Rock	2,853.46		2,853.46
Upper Seine	757.03		757.03
Straw Lake Beach	1,654.00		1,654.00
	$ 433,176.49	$ 124,152.07	$ 557,328.56
TYENDINAGA INDIAN RESERVE:—			
Highway No. 2	$ 536.62	$ 1,204.21	$ 1,740.83
Stock	42,401.38	2,048.95	44,450.33
Lands and Buildings	42,261.36	576.53	42,837.89
GRAND TOTAL	$21,201,346.36	$5,133,911.95	$26,335,258.31

APPENDIX No. 2
GROSS EXPENDITURE BY ROADS
April 1, 1939, to March 31, 1940

Highway No.	Location	Mileage	Construction	Maintenance	Total
2	Windsor-Quebec Boundary	541.1	$ 934,644.65	$ 277,354.30	$ 1,211,998.95
3	Windsor-Fort Erie	260.	92,748.74	80,995.56	173,744.30
3A	Chambers Corners-St. Catharines	19.8	3,860.52	5,130.91	8,991.43
3B	Junction Highway No. 3-Windsor	6.	21,387.47	1,109.38	22,496.85
3C	Ridgeway-Fort Erie	7.5	657.29	1,744.12	2,401.41
4	Port Stanley-Flesherton	155.5	25,789.27	62,451.32	88,240.59
5	Toronto-Paris	64.1	9,469.59	30,001.33	39,470.92
5A	Leaside-Kingston Road	8.4	462.15	4,729.81	5,191.96
6	Port Dover-Tobermory	225.1	70,102.49	122,661.28	192,763.77
7	Sarnia-Ottawa	465.	109,403.08	181,662.83	291,065.91
7A	Manchester-Peterborough	42.	48,137.21	16,317.63	64,454.84
8	Niagara Falls-Goderich	155.7	24,885.98	58,258.30	83,144.28
8A	St. David-Niagara River	2.96	162.62	898.34	1,060.96
9	Schomberg-Kincardine	112.8	3,646.37	64,551.16	68,197.53
10	Port Credit-Owen Sound	105.	11,366.79	43,600.52	54,967.31
11	Toronto-Hearst	631.4	5,126,179.98	486,522.42	5,612,702.40
12	Whitley-Midland	97.7	12,239.60	75,042.78	87,282.38
14	Picton-Marmora	51.4	7,937.92	20,941.98	28,879.90
15	Ottawa-Kingston	131.	3,474.51	62,880.83	66,355.34
16	Ottawa-Prescott	62.3	4,219.42	28,907.48	33,126.90
17	Quebec Bdry. to Montreal River and Schreiber to Manitoba Bdry	1133.7	2,579,048.20	637,914.59	3,216,962.79
17A	Port Arthur-Highway No. 17	21.	25,624.23	11,839.40	37,463.63
18	Leamington-Windsor	49.	5,634.86	11,424.14	17,059.00
18A	Kingsville-Highway No. 18	18.	7,748.00	13,917.60	21,665.60
18B	Ruthven-Highway No. 18	1.	76.18	694.11	770.29
19	Port Burwell-Tralee	92.2	31,146.33	36,503.69	67,650.02
20	Niagara Falls-Burlington	53.3	4,936.53	29,103.22	34,039.75
20A	Highway No. 20 to Hamilton	1.36	53.30	1,122.15	1,175.45
21	Morpeth-Owen Sound	207.	130,083.47	87,349.86	217,433.33
22	London-Sarnia	66.8	3,400.11	9,574.05	12,974.16
23	London-Arthur	86.3	6,534.25	28,563.84	35,098.09
24	Port Dover-Collingwood	143.4	8,138.68	60,705.37	68,844.05
24A	Paris-Galt	13.1	917.00	3,483.34	4,400.34
25	Burlington-Acton	29.8	4,603.72	12,412.97	17,016.69
26	Barrie-Owen Sound	74.6	1,067.60	48,373.05	49,440.65
27	Long Branch-Midland-Penetang	91.8	12,257.50	68,754.27	81,011.77
28	Port Hope-Apsley	67.9	11,769.54	35,274.78	47,044.32
29	Brockville-Arnprior	76.4	3,485.03	30,801.49	34,286.52
30	Brighton-Havelock	32.	3,767.34	14,908.29	18,675.63
31	Morrisburg-Ottawa	48.4	51,641.77	26,073.54	77,715.31
32	Gananoque-Smiths Falls	47.9	1,345.07	5,045.18	6,390.25
33	Marmora-Trenton-Kingston	101.3	77,028.47	40,397.92	117,426.39
34	Lancaster-Hawkesbury	38.1	160,738.38	21,884.60	182,622.98
35	Newcastle-Huntsville	144.2	62,546.32	82,420.37	144,966.69
36	Lindsay-Burleigh Falls	47.5	39,595.93	53,434.34	93,030.27
37	Belleville-Actinolite	29.3	3,417.17	22,017.44	25,434.61
38	Kingston-Sharbot Lake	47.1	15,451.64	20,718.77	36,170.41
39	Windsor-Belle River	21.5	925.42	7,728.53	8,653.95
40	Sarnia-Chatham	50.1	8,362.58	22,959.61	31,322.19
41	Picton-Golden Lake	140.6	74,732.27	58,286.18	133,018.45
42	Brockville-West Port	43.	2,950.10	11,517.26	14,467.36
43	Alexandria-Winchester	40.4	26,754.27	19,843.47	46,597.74
44	Almonte-Carp	14.	369.67	1,608.08	1,977.75
45	Cobourg-Norwood	33.	9,663.14	16,122.59	25,785.73
46	Highway No. 7-Coboconk	31.	3,269.29	19,444.23	22,713.52

APPENDIX No. 2

GROSS EXPENDITURE BY ROADS

April 1, 1939, to March 31, 1940

Highway No.	Location	Mileage	Construction	Maintenance	Total
47	Highway No. 12-Stouffville	19.	1,082.95	25,438.93	26,521.88
48	Port Bolster-Beaverton	6.	237.78	7,721.60	7,959.38
49	Kleinburg-Highway No. 50	3.5	10.94	7,884.46	7,895.40
50	Highway No. 7-Highway No. 9, via Bolton	18.	195.45	19,115.68	19,311.13
51	Highway No. 24-Highway No. 10-Caledon	2.5	21.24	898.28	919.52
52	Wentworth Cty. Line-Highway No. 2	18.5	509.35	6,380.00	6,889.35
53	Woodstock-Highway No. 20	53.7	5,823.91	11,076.49	16,900.40
54	Cainsville-Cayuga	27.	1,034.30	19,820.05	20,854.35
55	Highway No. 53-Hamilton	4.	267.64	1,789.74	2,057.38
56	Junction Highway No. 53 and No. 20-Canfield	15.5	1,415.06	6,517.55	7,932.61
57	Bismark-Highway No. 3A	9.	3,494.17	6,434.73	9,928.90
58	Welland-Humberstone	6.5	2,229.82	4,490.76	6,720.58
59	Woodstock-Delhi	26.5	2,186.00	14,666.00	16,852.00
60	Huntsville-Lake Dore	133.7	52,731.16	81,141.44	133,872.60
61	Fort William-U. S. Boundary	40.	160,184.83	52,818.14	213,002.97
62	Madoc-Pembroke	135.	18,923.35	51,017.13	69,940.48
63	North Bay-Temiskaming	41.	39,638.37	15,669.17	55,307.54
64	Sturgeon Falls-Martin River	34.6	55,357.12	15,420.78	70,777.90
65	New Liskeard-Matachewan	66.7	25,916.79	64,830.26	90,747.05
66	Swastika-Quebec Boundary	33.7	109,229.94	49,529.87	158,759.81
67	Iroquois Falls-Timmins	43.6	323,684.89	63,932.06	387,616.95
68	McKerrow-Little Current	38.	2,650.12	11,506.45	14,156.57
69	Atherly-Britt	112.	217,198.34	82,968.24	300,166.58
70	Kenora-Fort Frances	143.	1,158,241.36	42,178.55	1,200,419.91
70A	Barwick to Junction Hy. No. 70	14.	2,473.00	6,420.32	8,893.32
71	Fort Frances-Rainy River	60.	72,122.49	32,300.93	104,423.42
72	Dinorwic-Sioux Lookout-Hudson	52.5	6,012.01	14,412.43	20,424.44
73	Port Bruce-Dorchester Rd.	23.	3,964.99	9,441.00	13,405.99
74	New Sarum-Nilestown	14.	12,410.96	5,554.00	17,964.96
75	Wallacetown-Dutton	2.5	240.00	662.00	902.00
76	Eagle-West Lorne	3.5	243.00	895.00	1,138.00
77	New Glasgow-Rodney	4.	315.00	1,105.00	1,420.00
78	Wallaceburg-Dresden	10.5	2,701.65	2,559.60	5,261.25
79	Highway No. 2-Watford	25.5	8,213.37	9,421.96	17,635.33
80	Highway No. 2-Alvinston	13.	1,136.62	7,549.97	8,686.59
81	Delaware-Grand Bend	44.	2,372.77	16,522.56	18,895.33
82	Highway No. 7-Port Franks	7.	154.23	3,434.26	3,588.49
83	Highway No. 21-Highway No. 23 via Dashwood	24.	944.00	14,531.34	15,475.34
84	St. Joseph-Hensall	10.5	435.27	6,300.38	6,735.65
85	Kitchener-Elmira	12.	646.82	7,800.15	8,446.97
86	Amberley-Highway No. 7	79.	22,324.63	47,913.66	70,238.29
87	Bluevale-Harriston	19.5	569.24	12,417.90	12,987.14
88	Bondhead-Bradford	6.	21,890.49	4,264.09	26,154.58
89	Primrose-Cookstown	23.5	762.51	21,346.11	22,108.62
90	Angus-Allandale	11.	153,838.69	8,394.54	162,233.23
91	Duntroon-Stayner	5.2	52.63	3,425.33	3,477.96
92	Elmvale-Wasaga Beach	9.	6,380.32	8,441.95	14,822.27
93	Crown Hill-Waverley	17.5	1,282.78	33,860.91	35,143.69
94	Callander-Highway No. 17	6.5	4,182.46	9,146.43	13,328.89
95	Wolfe Island, North and South	7.	261.29	2,880.99	3,142.28
96	Wolfe Island, East and West	20.	787.43	8,474.12	9,261.55
97	Hickson-Freelton	44.5	2,298.83	29,953.26	32,252.09
98	Windsor-Tilbury	34.5	2,295.60	7,151.29	9,446.89

APPENDIX No. 2
GROSS EXPENDITURE BY ROADS
April 1, 1939, to March 31, 1940

Highway No.	Location	Mileage	Construction	Maintenance	Total
99	Dundas to Junction Hys. No. 58 and No. 24	16.5	573.40	11,071.61	11,645.01
	Blue Lake Road		18.00	1,082.00	1,100.00
	Silver Street		478.00	1,792.00	2,270.00
	Pelee Island		151.51	1,889.42	2,040.93
	Cameron Boulevard		3,738.58	20.23	3,758.81
	Fort Henry Road		....	422.60	422.60
	Fort Frederick Road		38,941.75	....	38,941.75
	Point Edward to Perch Creek Diversion		104,042.84	619.66	104,662.50
	Sarnia International Bridge		1,538.30	10.80	1,549.10
	St. Lawrence River Road		442,459.24	4,278.58	446,737.82
	Woodstock-Thamesford Road		990.00	6,730.00	7,720.00
	Princeton North Road		18.00	1,144.00	1,162.00
	Dundas Diversion		2,581.81	1,642.14	4,223.95
	Queen Elizabeth Way		3,330,410.72	71,460.63	3,401,871.35
	TOTAL KING'S HIGHWAYS		$16,329,379.12	$4,299,976.11	$20,629,355.23
	Total Secondary Roads, see Appendix No. 1 for details		4,127,023.68	751,511.57	4,878,535.25
	Total Township Roads Expenditure, see Appendix No. 1		379,742.00	77,103.56	456,845.56
	Total Mining Roads Expenditure, see Appendix No. 1		239,007.28	2,695.23	241,702.51
	Total Lands and Buildings		42,261.36	576.53	42,837.89
	Total Preliminary Surveys, see Appendix No. 1 for details		41,531.54	....	41,531.54
	Total Stock		42,401.38	2,048.95	44,450.33
			$21,201,346.36	$5,133,911.95	$26,335,258.31

APPENDIX No. 3

SCHEDULE OF ASSUMPTIONS AND REVERSIONS OF SECTIONS OF THE KING'S HIGHWAY SYSTEM FOR THE FISCAL YEAR ENDING MARCH 31st, 1940.

During the year the system was extended by assuming 74.93 miles, less 48.27 miles reverted, making a total assumed of 7269.08 miles. A list of the roads added to the system, together with the mileage and date of designation, also a list of roads and mileages reverted from the system is as follows:

The King's Highways Assumed Between March 31st, 1939, and March 31st, 1940.

District or County	Location of Road	Assumed Date	Miles
Lincoln	N. Grimsby Twp. (Q. E. W.)	Nov. 29, 1939	1.02
Lincoln	Clinton Twp. (Q. E. W.)	Nov. 29, 1939	0.26
Lennox and Addington	Sheffield	Jan. 24, 1940	0.53
Oxford	Town of Tillsonburg	May 3, 1939	0.35
Simcoe	Essa Twp. (Angus)	Sept. 27, 1939	0.40
Waterloo	Village of Elmira	May 3, 1939	0.42
Waterloo	N. Dumfries Twp	June 7, 1939	1.70
Wentworth	Saltfleet Twp. (Beach Road)	July 5, 1939	0.17
Wentworth	Saltfleet Twp. (Q. E. W.)	Nov. 29, 1939	0.21
Wentworth	Saltfleet Twp. (Q. E. W.)	Nov. 29, 1939	0.37
Welland	City of Niagara Falls	Oct. 4, 1939	1.60
Welland	Village of Fonthill	Nov. 8, 1939	0.87
Welland	City of Niagara Falls (Sts. at Bridge App.)	Feb. 14, 1940	0.00
York	Etobicoke Twp	Nov. 29, 1939	0.04
York	Town of Leaside (Donald Drive)	Dec. 6, 1939	0.67
	Assumed by Land Plan		
Algoma	Pt. Mamainse to Montreal River		16.00
Hastings	Wicklow Twp		2.55
Lambton	Blue Water Bridge Approach		4.25
Middlesex	Williams E. Twp		.87
Muskoka	Chaffey and Brunel Twps		2.50
Parry Sound	Pt. au Baril to Britt		21.50
Peterboro	Burleigh Falls Westerly		6.67
Sudbury	Baldwin, Shakespeare and Hallam Twps		9.90
Welland	Wainfleet Twp		2.08
			74.93

Reversions in the Fiscal Year Ending March 31, 1940.

District or County	Location of Road	Date	Miles
Elgin	Vienna Village	Oct. 30, 1939	0.39
Hastings	Millbridge N	April 11, 1939	25.60
Hastings	Wicklow Twp	Oct. 30, 1939	2.65
Huron	Usborne Twp	Oct. 30, 1939	0.27
Lennox and Addington	Sheffield Twp. (Erinsville)	Mar. 10, 1940	0.50
Muskoka	Chaffey and Brunel Twps	Mar. 10, 1940	2.75
Middessex	Williams E. Twp	Aug. 28, 1939	1.00
Middlesex	Biddulph Twp	Oct. 30, 1939	0.14
Oxford	Blenheim Twp	June 19, 1939	0.50
Perth	Fullarton Twp	Oct. 30, 1939	0.27
Perth	Blanchard Twp	Nov. 19, 1939	0.40
Peterborough	Harvey Twp	Jan. 7, 1940	6.71
Victoria	Ops Twp	Feb. 2, 1940	0.29
Victoria	Ops Twp	Feb. 2, 1940	0.24
Waterloo	N. Dumfires Twp	July 7, 1939	1.20
Welland	Wainfleet Twp	July 20, 1939	2.27
Welland	Stamford Twp. and Niagara Falls	Aug. 28, 1939	0.50
Wentworth	Saltfleet Twp	Aug. 28, 1939	0.10
York	Scarborough Twp. (Kingston Road)	June 9, 1939	1.45
York (Eglinton Ave.)	Town of Leaside	Dec. 16, 1939	1.04
		Miles	48.27

BRIDGES COMPLETED ON THE APPENDIX

Name	Type	Span	Road
Aidie Creek No. 3	Concrete Rigid Frame	1 at 40′	11
Aidie Creek No. 4	Timber Truss	1 at 50′	Organized Twp. Road
Benniger Br. (Sturgeon R.	Pile Trestle	3 at 15′	
Big Firesteel R	Concrete Rigid Frame	1 at 60′	17
Blackwater Br.	Timber Beams on Creos. Pile Bents	5 at 15′	Nipigon-Geraldton.
Bonnechere R.	Timber Beam on Timber Cribs	2 at 25′	62
Cain Br. (Lavalleer)	Pile Trestle	1 at 29′, 2 at 15′, 2 at 7′6″	
C. P. R. Overhead	Concrete Arch Slab on Conc. Bents	8 at 32′, 1 at 42′	Queen Elizabeth Way
Casgrain Twp.	Pile Bents	1 at 32′	
Chester's Br.	Steel Beams on Pile Bents	1 at 65′6″, 2 at 43′6″	65
Chippewa Cr. No. 3	Conc. Arch (Earth Filled)	1 at 100′	17
Church St. Underpass	Conc. Rigid Frame Concrete Flat Slab	2 at 53′6″ 1 at 15′0″	Queen Elizabeth Way
Clark's Cr.	Steel Beam	6 at 20′	60
Constant Ck.	Steel Beam on Conc. Abuts.	1 at 43′	41
Coppercliff Subway	Steel Girder	1 at 34′6″ (Dual Bridge)	17
Corbett's Ck. No. 6	Timber Truss on Timber Cribs	1 at 30′	
Delamere Twp. No. 1	Pile Trestle	3 at 15′	
Delamere Twp. No. 2	Pile Trestle	2 at 15′	
Desert Br. (Pine R.)	Pile Trestle	2 at 29′, 4 at 15′	
Doucette Br. (Now R.)	Pile Trestle	3 at 15′	
Dryden Twp. Overhead	Conc. Rigid Frame	2 at 31′, 1 at 27′	17
Echo Bay No. 2	Steel Beams on Pile Bents	1 at 65′6″, 2 at 43′ 6″, 2 at 20′	17
Elmira Br. (Canagagigue Ck.)	Conc. Rigid Frame Cantilever Ends	1 at 75′ 2 at 15′	86
Elyea's Br.	Timber Beams	3 at 15′	Organized Twp. Road
Fifteen Mile Ck. No. 2	Steel Rigid Frame (Dual Br.), Steel Beam	1 at 40′, 2 at 36′6″, 4 at 20′	Queen Elizabeth Way
Floating Br. (Parrott's Bay)	Steel Beam on Conc. Abuts.	1 at 42′ 10″	33
Fredrickhouse R. No. 4	Steel Truss—Through Steel Beams Timber Pile Bents (Temporary)	1 at 250′ 2 at 45′ 10 at 15′	Pamour-Matheson.
Gillis Br.	Pile Trestle	2 at 17′, 2 at 16′	

KING'S HIGHWAY DURING 1939

No. 4

Township	Lot	Con.	County or District	Div. No.
Chamberlain	6	V	Timiskaming	14
Chamberlain	5	V-VI	Timiskaming	14
Dobie	9	VI	Rainy River	21
Stedman			Thunder Bay	19
Unsurveyed			Thunder Bay	19
Richards	23	VI	Renfrew	10
Devlin	Section 4		Rainy River	21
Etobicoke		III	York	6
Casgrain	24-25	VIII	Cochrane	16
Dymond	4	III	Timiskaming	14
Tilley	Section 21		Algoma	18
Etobicoke		III	York	6
Airy			Nipissing	11
Grattan	19	VI	Renfrew	10
McKim	11	II	Sudbury	17
Oliver	12-13	IV	Thunder Bay	19
Delamere	7	VI	Sudbury	13
Delamere	7	VI	Sudbury	13
Dilke	Section 36		Rainy River	21
Bigwood	11	II	Sudbury	13
Dryden	12	III	Sudbury	17
Macdonald	Section 18		Algoma	18
Woolwich	Town of Elmira		Waterloo	3
Hilliard	8	III	Timiskaming	14
Louth	9	I	Lincoln	4
Ernestown	31	I	Lennox, Addington	8
Matheson	3	I	Cochrane	15
Dobie	12	IV	Rainy River	21

BRIDGES COMPLETED ON THE
APPENDIX

Name	Type	Span	Road
Grand Ave. Underpass	Conc. Rigid Frame	2 at 53′6″	Queen Elizabeth Way
	Conc. Flat Slabs	1 at 15′	
Gregoire Mills Br.	Conc. Rigid Frame	2 at 50′	11
Groundhog R.	SteelTruss—Through	2 at 248′6″″	11
	Steel Beams	2 at 44′	
Harmon's Br.	Timber Truss	1 at 60′	Organized Twp. Road
	Timber Beams	3 at 16′	
Highland Ck. No. 2	Steel Truss—Deck	4 at 138′, 5 at 35′	2
Henley Course Br.	Conc. Arch Ribs (Dual) Br.)	2 at 150′, 1 at 144′, 1 at 124′, 1 at 67′	Queen Elizabeth Way
	Conc. Beam	1 at 40′	
Homer Overpass (Cushman Rd.)	Conc. Rigid Frame	1 at 39′	Queen Elizabeth Way
Jalbert Br. (Frog Ck.)	Pile Trestle	5 at 15′	Ft. Francis-Miscampbell
Jordan R. No. 2	Steel Beam Rigid Frame	1 at 50′, 2 at 40′	Queen Elizabet Way
Kearney Ck.	Steel Beam	3 at 20′	60
Keewatin Overpass	Conc. Beam and Slab	1 at 50′	17
	Cantilever Ends	2 at 15′	
Kendall Twp. No. 4 (Charbonneau Ck.)	Conc. Rigid Frame	1 at 50′	11
Kendall Twp. No. 5	Timber Crib	2 at 32′	
Kendall Twp. No. 6	Timber Crib	1 at 22′	
King George VI. Br. (Port Stanley)	Double Leaf Bascule	1 at 170′	4
Kipling Ave. Underpass	Conc. Rigid Frame	2 at 53′6″	Queen Elizabeth Way
	Conc. Flat Slab	1 at 15′0″	
Kramp's Br.	Steel Beams on Timber Bents	1 at 45′, 2 at 27′	Organized Twp. Road
Log River	Conc. Rigid Frame	1 at 60′	70
Lost R. No. 2	Steel Truss — Low	1 at 98′	11
	Steel Beam	7 at 20′	
McChesney's Br.	Steel Beams on Timber Piles	7 at 20′	Organized Twp. Road
Marquis Twp.	Timber Beams	3 at 15′	Township Road
Marter Twp.	Timber Beams	2 at 15′	Township Road
Martindale Subway	Concrete Flat Slab	2 at 45′	Queen Elizabeth Way
Matheson Twp. No. 2 (Moir Ck.)	Steel Beams on Timber Bents	4 at 20′	Matheson-Pamour
Mattice Culvert	Conc. Barrel Arch	1 at 24′	11
Mimico Ck. No. 4	Conc. Beam and Slab Rigid Frame	1 at 80′, 2 at 40′	Queen Elizabeth Way
Moose Ck. No. 2	Steel Beams on Timber Bents	5 at 20′	Matheson-Pamour
Muskrat R. No. 2	Conc. Arch Exten	1 at 58′, 2 at 54′	17

KING'S HIGHWAY DURING 1939

No. 4

Township	Lot	Con.	County or District	Div. No.
Etobicoke			York	6
Shackleton	12	X	Cochrane	16
Shackleton	24–25	XII	Cochrane	16
Evanturel	9	III, IV	Timiskaming	14
Scarborough	8	I	York	6
Grantham	22–23	III	Lincoln	4
Grantham	8	VII	Lincoln	4
McIrvine	Section 31		Rainy River	21
Louth	19	B.F.	Lincoln	4
Sproule			Nipissing	11
Between Towns of Kenora and Keewatin			Kenora	20
Kendall	17	X	Cochrane	16
Kendall	19	X–XI	Cochrane	16
Kendall	27	X	Cochrane	16
Yarmouth	1	I	Elgin	2
Etobicoke	6	I	York	6
Kerns	11	III–IV	Timiskaming	14
Unsurveyed			Rainy River	21
Williamson	18	II	Cochrane	16
Casey	8	I–II	Timiskaming	14
Marquis	9	VI	Timiskaming	14
Marter	8	III–IV	Timiskaming	14
Grantham	23	III	Lincoln	4
Matheson	6	I–II	Cochrane	15
Eilber	26	III	Cochrane	16
Etobicoke	B		York	6
Matheson	5–6	I–II	Cochrane	15
Pembroke	Town of Pembroke		Renfrew	9

BRIDGES COMPLETED ON THE
APPENDIX

Name	Type	Span	Road
Nestor Falls No. 2	Conc. Rigid Frame	1 at 50′	70
N. S. & T. Subway	Concrete Slab	2 at 46′	Queen Elizabeth Way
Niagara St. Grade Separation	Concrete Slab	2 at 51′	Queen Elizabeth Way
Opeongo R.	Steel Beams	2 at 28′	
	Timber Beams	1 at 16′, 1 at 11′, 1 at 18′, 1 at 21′	60
Owens Twp. No. 2	Timber Crib	1 at 26′	
Owens Twp. No. 3	Timber Crib	1 at 30′	
Owens Twp. No. 4	Timber Crib	2 at 24′	
Owens Twp. No. 5	Timber Crib	1 at 26′	
Pettiplace Br.	Pile Trestle	4 at 15′	
Pine River No. 6	Timber Truss on Timber Cribs	1 at 60′	
Pistagoni R.	Concrete Barrel Arch (Earth Filled)	1 at 45′	Nipigon-Beardmore
Porcupine R. No. 3	Conc. Beam and Slab	2 at 67′6″	Matheson-Pamour
	Cantilever Ends	2 at 28′4″	
Red Hill No. 1	Conc. Rigid Frame	1 at 60′	Queen Elizabeth Way
Red Hill No. 2	Conc. Rigid Frame	1 at 60′	Queen Elizabeth Way
Renaud Br.	Pile Trestle	10 at 15′, 2 at 6′	Hagar-St. Charles
Root R.	Steel Truss — Deck	1 at 80′	17
	Steel Beam	2 at 40′	
Rougemount Underpass	Concrete Rigid Frame	2 at 50′	Queen Elizabeth Way
Savola's Br.	Timber Beam	2 at 15′	Township Road
Schumacher Overhead	Composite Steel and Conc. Rigid Frame	1 at 74′	67
Scotts Br.	Timber Beam	1 at 30′, 2 at 15′	Organized Twp. Road
Shackleton Twp. No. 2	Timber Cribs	1 at 28′	11
Shadow R. Exten.	Concrete	1 at 27′	Hayes Cor.—Rosseau
Sixteen Mile Ck. No. 4	Steel Rigid Frame (Dual Bridges)	1 at 40′, 2 at 36′ 6″	Queen Elizabeth Way
	Steel Beam	4 at 20′	
Slate R. No. 9	Timber Truss on Timber Cribs	1 at 50′, 2 at 14′	
South Trout Ck.	Timber Beam	1 at 22′, 3 at 15′	17
Sturgeon's Br.	Timber Beam	3 at 15′	Township Road
Tofte Br.	Timber Trestle	4 at 15′	
Wabigoon R. No. 6	Steel Truss — Low	1 at 80′	17
Wanapitei R.	Steel Beams (On Steel Sheet Pile Bents)	1 at 65′, 5 at 40′	17

KING'S HIGHWAY DURING 1939

No. 4

Township	Lot	Con.	County or District	Div. No.
Unsurveyed			Kenora	20
Grantham	17	IV	Lincoln	4
Grantham	15	V	Lincoln	4
Lyell	8	XIII	Nipissing	10
Owens	3	XII–XIII	Cochrane	16
Owens	12–13	XV	Cochrane	16
Owens	14	XIV–XV	Cochrane	16
Owens	2	XIV–XV	Cochrane	16
Shenstone	Section 14		Rainy River	21
Pearson	17–18	I	Thunder Bay	19
Unsurveyed			Thunder Bay	19
Matheson	11	I	Cochrane	15
Saltfleet	29	B.F.	Wentworth	4
Saltfleet			Wentworth	4
Appleby	1	V	Sudbury	13
Garden R., Indian Res.			Algoma	18
Pickering	32	III B.F.	Ontario	6
Marquis	8	IV	Timiskaming	14
Tisdale	8	II	Cochrane	15
Evanturel	1	V	Timiskaming	14
Shackleton	2	X	Cochrane	16
Humphrey	78	B	Parry Sound	12
Louth	10	I	Lincoln	4
Paipoonge	3	II–III	Thunder Bay	19
Nipigon	4	VI	Thunder Bay	19
Marter-Catherine	12	Bdry	Timiskaming	14
McCrosson	I	III	Rainy River	21
Wainwright	7	I–II	Kenora	20
Dryden	9	III	Sudbury	17

APPENDIX No. 5

GROWTH OF COUNTY ROAD EXPENDITURES AND PROVINCIAL GRANTS

Year Work Was Done	Number of Counties	Expenditure	Government Grants
1903	4	$ 166,149.06	$ 55,383.02
1904	7	291,085.42	97,028.48
1905	6	179,593.62	59,864.53
1906	8	247,102.37	82,367.45
1907	14	383,518.86	127,839.62
1908	15	429,393.57	143,131.16
1909	16	440,374.08	146,791.36
1910	17	553,312.61	184,437.54
1911	19	712,072.52	237,357.50
1912	20	898,631.18	299,543.69
1913	20	847,684.15	282,561.35
1914	20	785,521.93	261,840.61
1915	20	811,540.05	270,513.34
1916	21	955,447.19	327,663.76
1917	30	1,388,341.87	483,621.32
1918	36	2,226,899.70	815,440.01
1919	37	5,714,937.19	2,623,719.24
1920	..	7,956,863.72	3,626,418.08
1921	..	11,078,288.39	5,119,882.26
1922	..	9,162,491.79	4,258,339.83
1923	..	7,403,509.96	3,418,523.07
1924	..	6,861,451.62	3,214,321.50
1925	..	6,608,431.04	3,222,678.10
1926	..	5,838,445.12	2,913,660.96
1927	..	7,424,464.85	3,706,719.88
1928	..	8,784,420.42	4,360,222.86
1929	..	9,212,758.04	4,591,110.16
1930	..	8,929,424.27	4,463,527.11
1931	..	7,265,350.65	3,625,860.66
1932	..	4,214,410.70	2,106,457.18
1933	..	3,058,622.91	1,529,228.37
1934	..	3,391,768.96	1,695,291.35
1935	..	3,107,215.32	1,553,273.39
1936	..	3,438,188.53	1,718,944.63
1937	..	4,062,753.39	2,031,372.49
1938	..	4,686,333.38	2,342,971.65
1939	..	4,775.109.01	2,387,240.73
Totals to Date		$ 144,291,907.44	$ 68,385,148.24

APPENDIX No. 6

COUNTY ROAD MILEAGE AND EXPENDITURE

From Inception of County Road Systems to December 31st, 1939. Provincial Subsidies on 1939 Expenditures Being Paid in 1940

County	Year of Establishment of System	Road Mileages			Total Approved Expenditure to end of 1939	Total Government Grant
		County Roads	County Suburban Roads	Total		
Brant	1917	73.6	26.4	100.0	$ 2,629,087.83	$1,306,309.76
Bruce	1917	275.7	....	275.7	3,767,206.72	1,873,582.61
Carleton	1910	144.0	90.0	234.0	7,328,530.52	3,457,187.57
Dufferin	1918	160.5	....	160.5	1,512,094.24	719,080.03
Elgin	1917	193.2	18.3	211.5	2,815,145.94	1,331,858.59
Essex	1916	199.4	37.5	236.9	6,408,601.42	3,148,688.96
Frontenac	1907	131.4	28.5	159.9	1,777,365.52	822,673.75
Grey	1918	307.5	32.5	340.0	3,774,042.46	1,864,144.37
Haldimand	1912	149.2	....	149.2	2,886,120.78	1,341,719.98
Halton	1907	137.0	....	137.0	2,530,187.40	1,169,148.29
Hastings	1904	291.5	....	291.5	3,645,618.91	1,695,668.90
Huron	1917	369.8	....	369.8	3,241,885.94	1,557,677.72
Kent	1917	285.1	9.5	294.6	5,300,745.30	2,646,704.38
Lambton	1918	208.0	14.5	222.5	2,866,034.22	1,384,019.52
Lanark	1903	230.9	....	230.9	2,979,194.56	1,411,683.54
Leeds and Grenville	1910	229.6	11.4	241.0	4,045,496.01	1,876,040.67
Lennox and Addington	1906	116.0	....	116.0	2,764,135.54	1,336,743.47
Lincoln	1904	135.2	12.3	147.5	4,422,622.60	1,948,124.46
Middlesex	1906	431.4	40.5	471.9	4,665,521.27	2,148,450.46
Norfolk	1917	199.8	....	199.8	3,867,797.04	1,848,225.33
Northumberland and Durham	1918	228.8	....	228.8	3,369,453.51	1,656,441.04
Ontario	1918	185.0	13.5	198.5	2,355,442.91	1,144,087.41
Oxford	1904–7	181.7	4.0	185.7	3,334,828.73	1,494,716.09
Peel	1907	120.3	....	120.3	2,790,984.32	1,257,374.23
Perth	1907	164.7	7.5	172.2	1,936,602.64	883,341.44
Peterboro	1919	127.8	58.3	186.1	1,345,483.94	648,101.61
Prescott and Russell	1917	275.2	....	275.2	4,553,863.44	2,049,485.63
Prince Edward	1907	172.8	....	172.8	2,239,360.27	1,030,702.33
Renfrew	1918	200.1	....	200.1	3,378,678.69	1,645,543.47
Simcoe	1903	264.7	....	264.7	4,427,374.72	2,058,325.01
Stormont, Dundas and Glengarry	1917	463.3	....	463.3	6,038,487.51	2,945,721.63
Victoria	1917	169.1	....	169.1	2,831,919.16	1,404,973.82
Waterloo	1908	130.9	15.2	146.1	4,396,534.55	2,151,668.38
Welland	1912	101.2	16.9	118.1	5,020,503.38	2,330,899.92
Wellington	1903	322.3	23.5	345.8	4,155,606.61	1,951,203.97
Wentworth	1903	98.2	56.0	154.2	4,657,065.88	2,143,897.08
York	1911	92.6	241.2	333.8	14,232,282.96	6,700,932.82
TOTALS		7567.5	757.5	8325.0	$144,291,907.44	$68,385,148.24

APPENDIX No. 7
SUMMARY, 1939 — WORK DONE ON COUNTY ROADS

Name of County	Miles of Road Surfaced					New Bridges	Pipe and Tile Culverts	Other Culverts
	Gravel or Stone	Surface Treated Gravel or Stone	Low-Cost Bituminous Surfaces	Mixed Macadam or Asphaltic Concrete	Cement Concrete			
Brant	8.20	....	9.10	....	....	......	28	....
Bruce	15.00	10.50	5.70	....	....	3	23	....
Carleton	10.80	17.25	14.40	.75	....	......	39	....
Dufferin	2.00	2.00	....	....	....	1	20	4
Elgin	5.50	1.25	2.34	....	....	2	16	3
Essex	5.00	....	6.00	....	....	1	32	3
Frontenac	....	....	7.20	....	....	......	....	....
Grey	12.50	4.80	....	....	....	......	22	1
Haldimand	2.52	2.86	....	.63	....	4	23	1
Halton	4.25	....	5.55	....	....	......	9	....
Hastings	....	1.90	1.30	....	....	......	37	....
Huron	20.00	....	10.00	....	....	5	34	4
Kent	8.50	6.00	20.00	....	2.40	......	32	....
Lambton	7.50	9.35	5.44	....	....	......	10	....
Lanark	2.00	....	2.00	....	....	2	50	1
Leeds and Grenville	1.00	....	12.50	....	....	2	6	4
Lennox and Addington	....	....	....	....	....	......	22	....
Lincoln	1.50	....	....	....	....	......	31	4
Middlesex	31.50	1.00	....	....	....	12	109	5
Norfolk	5.10	....	1.00	....	....	......	54	....
Northumberland and Durham	9.00	....	....	....	....	......	62	6
Ontario	5.56	....	5.10	....	....	......	67	2
Oxford	18.30	....	12.35	....	....	1	14	....
Peel	1.10	....	1.80	....	....	2	20	3
Perth	6.05	14.50	.50	....	....	2	....	5
Peterboro	4.75	.30	2.70	....	....	1	31	3
Prescott and Russell	....	....	....	....	....	......	28	....
Prince Edward	3.00	....	2.90	....	....	......	64	1
Renfrew	8.06	....	....	....	....	......	53	6
Simcoe	5.75	....	....	....	....	......	45	5
Stormont, Dundas and Glengarry	....	....	19.00	....	....	......	5	....
Victoria	8.00	....	1.60	....	....	......	42	....
Waterloo	9.40	3.25	....	....	....	......	34	3
Welland	2.51	1.25	....	1.85	....	1	46	3
Wellington	30.00	....	5.00	....	....	......	360	1
Wentworth	1.00	....	4.75	....	....	......	46	....
York	4.27	....	2.54	....	....	3	121	15
TOTALS	259.62	76.21	160.77	3.23	2.40	42	1635	83

SUMMARY OF COUNTY

APPENDIX

Name of County	Road and Culvert Construction	Bridge Construction	Maintenance and Repair	Machinery		Urban Improvement		County Bridges	
				Construction	Maintenance	Construction	Maintenance	Construction	Maintenance
Brant	$ 38,314.77		$ 20,660.46	$ 4,801.00	$ 6,792.99		$ 2,419.10		
Bruce	54,993.53	19,798.86	49,714.08	15,731.16	9,656.55	4,331.80	2,352.13		323.38
Carleton	105,884.31		58,492.09	2,298.60	4,812.41		3,650.63		
Dufferin	7,715.18		27,844.71		484.31	5.70	1,443.63	810.89	
Elgin	41,656.39	14,184.17	49,520.98	8,379.00	6,002.51		7,961.29		262.86
Essex	57,285.66	2,873.69	23,570.41	4,032.32	2,579.21	8,768.92			
Frontenac	27,943.52		31,124.42	6,978.62	1,292.96				
Grey	31,490.72	1,384.81	89,034.13	15,708.75	2,618.51	2,944.35	5,360.24		6.20
Haldimand	35,101.53	11,689.85	44,046.74	3,932.02	105.16		5,101.88		372.17
Halton	44,234.47		27,930.21	1,281.80	503.83		4,377.79		19.08
Hastings	24,176.41		42,454.26	4,340.40	2,236.12	1,978.64			
Huron	36,567.70	4,697.15	75,723.82	15,405.32	9,614.93	5,974.54			
Kent	184,597.43		88,747.75	1,245.10	8,797.07	11,632.60			
Lambton	42,129 84	2,359.45	34,952.73	1,442.19	3,932.92	2,415.05	2,415.00	542.70	231.17
Lanark	25,119.79	5,640.25	24,669.51	4,775.70	5,404.87		2,845.54		1,734.60
Leeds and Grenville	81,740.11	6,065.66	37,752.67	4,693.07	4,383.05	4,768.81			
Lennox and Addington	14,242.99		19,057.72	187.60	1,743.23				
Lincoln	18,935.95		49,537.71	4,568.79	3,936.41		6,087.00		55.52
Middlesex	30,867.21	15,935.41	62,456.26	6,859.50	16,027.92	3,517.79	1,727.69	1,568.12	646.77
Norfolk	78,305.37		70,146.86		6,956.17		32,584.38		277.46
Northumberland and Durham	18,435.14		44,412.83	19,603.18	4,161.52	1,369.75	696.90		
Ontario	37,319.32		39,132.98	5,297.21	6,890.67		5,057.55		488.63
Oxford	104,460.28	728.67	38,068.27	5,395.45	6,906.54	3,336.62	2,158.45	3,925.78	44.44
Peel	22,081.25	3,490.73	44,820.68	816.00	2,524.31	6,388.44			89.69
Perth	45,307.96	2,772.37	18,161.23	16,572.00	1,486.18		2,009.62		65.84
Peterborough	35,974.15	5,635.62	30,470.76	2,179.86	5,478.50		1,711.68		
Prescott & Russell	5,244.32	5,089.29	57,156.19	931.40	671.70		1,518.06		
Prince Edward	16,149.78		38,280.57	7,932.10	1,964.08	3,471.19			
Renfrew	28,824.16		34,256.44	4,799.40	1,117.35		1,888.40		
Simcoe	13,256.54		67,857.70	14,830.36	3,642.18	14,315.18			897.96
Stormont, Dundas and Glengarry	93,489.82		83,232.21	25,867.62			17,580.50		
Victoria	30,067.18		41,592.69	2,325.66	2,103.54	8,191.37			546.05
Waterloo	70,617.50	1,579.49	72,993.34	2,970.60	6,931.12		20,225.39		185.46
Welland	46,277.02	1,137.28	62,425.04	1,856.10			11,598.59		168.94
Wellington	30,433.10		104,506.14	6,881.60	5,529.16		10,817.21		423.47
Wentworth	45,498 45		75,682.16	6,425.37	3,489.37		3,655.50		
York	156,110.01	8,443 28	244,357.55	7,222.95	10,426.74	17,676.85			3,137.73 (40%)
Totals	$ 1,780,848.86	$113,506.03	$ 2,024,844.30	$238,567.80	$161,204.09	$101,087.60	$157,244.15	$ 6,847.49	$ 9,977.42

ROAD EXPENDITURES—1939

No. 8

Superintendence		Total Approved Expenditure			Government Subsidy — 50%		
Construction	Maintenance	Construction	Maintenance	Total	Construction	Maintenance	Total
$ 3,230.00	$ 2,262.02	$ 46,345.77	$ 32,134.57	$ 78,480.34	$ 23,172.88	$ 16,067.29	$ 39,240.17
2,855.12	1,870.00	97,710.47	63,916.14	161,626.61	48,855.23	31,958.07	80,813.30
6,170.43	3,545.00	114,353.34	70,500.13	184,853.47	57,176.67	35,250.07	92,426.74
600.00	2,160.25	9,131.77	31,932.90	41,064.67	4,565.88	15,966.45	20,532.33
1,560.00	2,339.94	65,779.56	66,087.58	131,867.14	32,889.78	33,043.79	65,933.57
1,551.80	2,500.00	74,512.39	28,649.62	103,162.01	37,256.20	14,324.80	51,581.00
1,500.00	2,267.52	36,422.14	34,684.90	71,107.04	18,211.07	17,342.45	35,553.52
1,859.28	2,960.00	53,387.91	99,979.08	153,366.99	26,693.96	49,989.53	76,683.49
2,990.00	2,928.90	53,713.40	52,554.85	106,268.25	26,856.70	26,277.42	53,134.12
1,790.37	1,290.00	47,306.64	34,120.91	81,427.55	23,653.32	17,060.45	40,713.77
2,000.00	2,245.23	32,495.45	46,935.61	79,431.06	16,247.72	23,467.81	39,715.53
1,886.00	2,714.18	64,530.71	88,052.93	152,583.64	32,265.35	44,026.47	76,291.82
2,060.63	3,000.00	199,535.76	100,544.82	300,080.58	99,767.88	50,272.41	150,040.29
1,074.09	2,800.00	49,963.32	44,331.82	94,295.14	24,981.66	22,165.91	47,147.57
1,735.70	1,735.70	37,271.44	36,390.22	73,661.66	18,635.72	18,195.11	36,830.83
2,000.00	2,583.90	99,267.65	44,719.62	143,987.27	49,633.81	22,359.82	71,993.63
2,000.00	1,880.67	16,430.59	22,681.62	39,112.21	8,215.30	11,340.81	19,556.11
1,450.00	3,703.98	24,954.74	63,320.62	88,275.36	12,477.37	31,660.31	44,137.68
3,000.00	3,728.54	61,748.03	84,587.18	146,335.21	30,874.01	42,293.60	73,167.61
2,075.00	3,107.75	80,380.37	113,072.62	193,452.99	40,190.19	56,536.31	96,726.50
1,850.00	2,268.89	41,258.07	51,540.14	92,798.21	20,629.04	25,770.07	46,399.11
2,633.64	3,180.00	45,250.17	54,749.83	100,000.00	22,625.08	27,374.92	50,000.00
2,975.50	2,000.00	120,822.30	49,177.70	170,000.00	60,411.14	24,588.86	85,000.00
1,440.00	2,083.58	34,216.42	49,518.26	83,734.68	17,108.21	24,759.13	41,867.34
2,706.00	914.62	67,358.33	22,637.49	89,995.82	33,679.16	11,318.75	44,997.91
1,906.74	1,882.38	45,696.37	39,543.32	85,239.69	22,848.19	19,771.66	42,619.85
1,000.00	3,952.27	12,265.01	63,298.22	75,563.23	6,132.50	31,649.11	37,781.61
990.41	1,000.00	28,543.48	41,244.65	69,788.13	14,271.74	20,622.33	34,894.07
2,222.00	2,610.12	35,845.56	39,872.31	75,717.87	17,922.78	19,936.16	37,858.94
1,586.61	2,715.00	43,988.69	75,112.84	119,101.53	21,994.34	37,556.42	59,550.76
3,040.74	2,918.00	122,398.18	103,730.71	226,128.89	61,199.09	51,865.36	113,064.45
2,396.65	2,500.00	42,980.86	46,742.88	89,723.14	21,490.43	23,371.14	44,861.57
2,978.09	3,974.50	78,145.68	104,309.81	182,455.49	39,072.84	52,154.91	91,227.75
2,270.00	3,429.15	51,540.40	77,621.72	129,162.12	25,770.20	38,810.86	64,581.06
1,225.70	3,767.00	38,540.40	125,042.98	163,583.38	19,270.20	62,521.49	81,791.69
2,340.00	3,730.10	54,263.82	86,557.13	140,820.95	27,131.91	43,278.56	70,410.47
4,031.58	5,450.00	193,484.67	263,372.02	456,856.69	96,742.33	131,372.24	228,114.57
$ 80,982.08	$ 99,999.19	$ 2,321,839.86	$ 2,453,269.15	$ 4,775,109.01	$ 1,160,919.88	$ 1,226,320.85	$ 2,387,240.73

APPENDIX

SUMMARY — SCHEDULE OF EXPENDITURE ON

Name of County	Brushing and Weed Cutting	Ditching	Grading	Dragging
Brant	$ 2,012.69	$ 850.32	$ 921.99	$ 1,969.41
Bruce	5,804.71	347.62	2,216.83	6,342.13
Carleton	5,265.98	570.02	2,089.57	3,776.95
Dufferin	1,842.31	380.16	324.43	3,700.92
Elgin	1,804.64	1,553.70	4,755.43	3,006.94
Essex	2,766.66	2,476.56	565.66	2,535.95
Frontenac	2,465.74	284.58	2,632.30	1,545.05
Grey	4,985.43	1,154.67	1,720.18	7,301.03
Haldimand	4,209.78	403.20	478.96	1,777.08
Halton	555.80	1,831.60	1,037.86	4,052.38
Hastings	1,907.58	972.64	611.70	5,014.27
Huron	9,594.25	1,849.72	386.94	8,106.57
Kent	4,409.12	5,001.15	1,834.46	14,187.33
Lambton	2,713.65	1,692.64	710.08	7,237.12
Lanark	1,413.14	794.88	2,493.03	473.17
Leeds and Grenville	2,218.41	696.84	3,212.22	1,021.53
Lennox and Addington	859.55	542.45	1,157.70	....
Lincoln	3,398.30	1,443.56	770.42	155.52
Middlesex	7,756.20	2,380.61	2,763.69	9,462.39
Norfolk	2,309.40	1,211.29	2,704.70	3,890.58
Northumberland and Durham	3,065.54	2,407.98	2,785.21	1,989.06
Ontario	2,411.11	458.22	549.92	3,715.51
Oxford	2,767.67	470.18	800.52	8,186.96
Peel	2,002.77	279.87	398.78	2,615.37
Perth	2,487.22	233.57	5,843.82	1,312.00
Peterboro	1,300.27	143.75	804.59	6,980.82
Prescott and Russell	1,783.72	1,245.57	4,873.57	1,295.16
Prince Edward	1,450.88	285.30	4,213.32	1,171.74
Renfrew	1,505.28	193.74	4,354.42	656.02
Simcoe	4,115.45	636.42	470.80	9,518.11
Stormont, Dundas and Glengarry	4,453.25	560.33	5,394.38	23,537.24
Victoria	1,546.80	40.20	126.80	3,189.66
Waterloo	2,194.21	981.35	2,298.95	4,422.22
Welland	5,381.17	1,015.09	1,050.06	....
Wellington	4,244.56	682.29	271.00	5,498.28
Wentworth	4,482.75	2,649.79	2,380.38	1,793.19
York	14,268.86	5,630.86	16,065.26	3,964.88
TOTALS	$127,754.85	$ 44,852.82	$ 86,069.93	$ 165,402.54

No. 9 — 1939

MAINTENANCE AND REPAIR OF COUNTY ROADS

Culverts (Repairs) Only)	Bridges (Repairs Only)	Re-Surfacing	Stabilizing Oiling, Etc.	Snow Roads	Wire Fence Bonus and Guide Rail	Total Subsidizable Expenditure
$ 20.39	....	$ 11,357.67	....	$ 2,013.38	$ 1,514.61	$ 20,660.46
146.97	....	8,173.82	18,640.86	8,041.14	....	49,714.08
1,089.78	698.06	15,056.05	9,573.40	19,110.62	1,261.66	58,492.09
108.11	145.41	9,326.76	4,424.39	7,480.06	112.16	27,844.71
987.69	435.05	28,119.35	5,795.98	2,141.70	920.50	49,520.98
64.56	51.62	7,578.81	6,794.19	530.54	205.86	23,570.41
630.03	1,517.24	11,195.46	346.90	9,882.39	624.73	31,124.42
493.41	1,915.03	34,216.62	22,734.20	12,630.04	1,883.52	89,034.13
858.46	1,500.53	23,316.76	5,178.73	4,970.09	853.15	44,046.74
1,283.69	791.06	9,076.22	440.78	8,860.82	....	27,930.21
480.42	1,002.24	13,599.85	5,120.33	12,550.94	1,194.29	42,454.26
877.43	821.20	11,126.92	29,057.49	13,816.45	86.85	75,723.82
744.51	7,510.63	47,288.11	2,109.27	2,716.94	2,946.23	88,747.75
135.23	616.67	19,846.87	326.54	1,357.47	316.46	34,952.73
1,086.65	432.04	12,196.45	....	5,192.19	587.96	24,669.51
1,434.27	282.44	16,788.82	1,456.36	10,552.05	89.73	37,752.67
167.01	2.30	10,570.89	....	5,355.06	402.76	19,057.72
603.96	221.77	39,239.22	650.60	2,748.39	305.87	49,537.71
2,822.92	891.35	23,947.91	4,854.65	7,408.96	167.58	62,456.26
2,210.07	1,901.63	50,179.40	1,029.69	3,648.87	1,061.23	70,146.86
450.62	204.00	7,205.31	15,562.62	10,649.61	92.88	44,412.83
947.36	102.99	10,790.24	7,198.76	12,442.07	516.80	39,132.98
1,326.86	42.64	10,155.31	10,578.41	3,686.68	53.04	38,068.27
493.36	96.01	13,062.86	17,896.15	6,176.96	1,798.55	44,820.68
330.74	35.05	5,034.66	....	2,721.91	162.26	18,161.23
548.57	....	6,124.70	6,989.70	6,857.60	720.76	30,470.76
1,815.03	4,342.30	35,073.64	....	6,608.63	118.57	57,156.19
1,542.36	612.27	13,854.53	9,956.36	4,537.18	656.63	38,280.57
1,688.91	265.10	10,019.14	11,569.69	4,004.14	....	34,256.44
1,809.71	605.73	30,267.16	8,090.24	10,892.73	1,451.35	67,857.70
2,161.42	494.81	20,904.21	9,775.59	15,950.98	....	83,232.21
190.70	7.33	22,354.86	2,388.57	11,485.06	262.71	41,592.69
513.60	585.12	37,884.52	15,927.73	7,700.68	484.96	72,993.34
583.04	81.82	37,951.11	10,183.45	5,005.75	1,173.55	62,425.04
2,186.05	1,469.56	44,113.83	27,439.99	16,589.21	2,011.37	104,506.14
693.67	771.47	50,103.09	2,263.98	8,631.48	1,912.36	75,682.16
.65	109,203.04	17,132.78	24,397.01	53,694.21	....	244,357.55
$33,528.21	$139,655.51	$774,233.91	$298,752.61	$328,642.98	$25,950.94	$2,024,844.30

APPENDIX

SUMMARY OF EXPENDITURE

The following schedule shows the approved expenditure on township

Year	No. of Twps.	Construction		General Maintenance	Machinery	Superintendence
		Roads and Culverts	Bridges			
1920 to 1934	172 to 338	$ 17,415,367.95	$ 4,637,929.24	$ 30,941,679.92	$ 2,323,851.88	$ 2,671,828.52
1935	339	628,855.34	98,623.04	1,844,654.47	127,708.09	214,688.40
1936	343	462,196.19	103,438.46	1,989,872.85	166,772.95	225,333.70
1937	344	823,923.53	190,891.00	2,307,548.05	256,742.36	243,315.59
1938	559	1,066,649.91	170,301.02	2,865,605.17	378,196.85	310,330.40
1939	565	1,277,433.17	203,432.32	3,142,622.40	384,740.24	335,278.42
Totals		$ 21,674,426.09	$5,404,615.08	$43,091,982.86	$3,638,012.37	$4,000,775.03

No. 10

ON TOWNSHIP ROADS

roads under the provisions of The Highway Improvement Act.

Total Approved Expenditure			Government Subsidy		
Construction	Maintenance	Total	Construction	Maintenance	Total
$23,718,523.99	$34,272,133.52	$57,990,657.51	$7,615,854.36	10,959,400.20	$18,575,254.56
824,447.33	2,090,082.01	2,914,529.34	344,705.13	874,448.05	1,219,153.18
699,695.53	2,247,918.62	2,947,614.15	293,505.92	939,468.25	1,232,974.17
1,234,367.12	2,588,053.41	3,822,420.53	623,824.61	1,301,050.22	1,924,874.83
1,578,956.62	3,212,126.73	4,791,083.35	827,188.62	1,707,554.52	2,534,743.14
1,814,131.40	3,529,375.15	5,343,506.55	971,530.84	1,867,855.99	2,839,386.83
$29,870,121.99	$ 47,939,689.44	77,809,811.43	$ 10,676,609.48	$ 17,649,777.23	$ 28,326,386.71

APPENDIX
MILEAGE OF ROAD SURFACES

County	COUNTY ROADS					
	Earth	Gravel or Stone	Surface Treated Gravel or Stone	Low-cost Bituminous Surfaces	Mix. Mac. or Asp. Con.	Cement Concrete
Brant	2.7	71.9	1.2	18.1	5.1	1.0
Bruce	....	235.7	1.7	36.5	0.5	1.3
Carleton	14.1	101.3	32.1	28.2	58.3	....
Dufferin	....	159.4	....	....	....	1.1
Elgin	....	206.1	1.2	4.0	....	0.2
Essex	....	151.7	....	31.1	5.1	49.0
Frontenac	....	100.7	37.0	9.5	12.7	....
Grey	....	314.4	....	24.9	0.7	....
Haldimand	5.8	72.4	65.2	....	5.8	....
Halton	....	98.1	....	17.6	....	21.3
Hastings	....	273.3	2.0	4.7	9.3	2.2
Huron	....	320.7	2.8	45.8	....	0.5
Kent	....	206.7	6.0	54.0	6.7	21.2
Lambton	....	198.8	0.5	18.4	2.2	2.6
Lanark	8.8	169.5	16.0	20.2	16.4	....
Leeds and Grenville	30.7	105.9	24.0	35.5	43.6	1.3
Lennox and Addington	....	65.0	13.8	13.2	24.0	....
Lincoln	0.6	12.2	93.5	26.1	2.9	12.2
Middlesex	....	432.0	1.1	....	....	38.8
Norfolk	3.8	61.1	68.0	65.7	....	1.2
Northumberland and Durham	....	192.3	....	7.1	29.4	....
Ontario	2.3	170.2	....	21.3	....	4.7
Oxford	....	163.2	1.8	20.7	....	....
Peel	....	100.3	....	6.6	10.6	2.8
Perth	....	130.5	37.9	3.8	....	....
Peterborough	....	174.2	....	11.9	....	....
Prescott and Russell	26.7	141.6	88.4	....	18.5	....
Prince Edward	....	96.7	46.0	12.6	8.9	8.6
Renfrew	26.3	131.1	42.2	0.5	....	....
Simcoe	....	262.9	....	1.8	....	....
Stormont, D. and G.	1.0	216.7	140.7	103.7	....	1.2
Victoria	....	153.6	....	12.8	2.7	....
Waterloo	....	91.0	2.8	25.9	....	26.4
Welland	1.6	....	74.4	10.3	21.5	10.3
Wellington	1.0	316.1	4.2	8.8	1.3	14.4
Wentworth	....	66.7	45.3	35.9	3.4	2.9
York	19.9	83.8	78.8	66.6	71.1	13.6
Total — County Area	145.3	5847.8	928.6	803.8	360.7	238.8
Organized — Township Roads in Districts	....	....	....	....	....	....
GRAND TOTALS	145.3	5847.8	928.6	803.8	360.7	238.8

No. 11
AT THE END OF 1939

Total	ORGANIZED — TOWNSHIP ROADS						
	Earth	Gravel or Stone	Surface Treated Gravel or Stone	Low-cost Bituminous Surfaces	Mix. Max. or Asp. Con.	Cement Concrete	Total
100.0	115.7	429.4	1.1	....	....	....	546.2
275.7	247.0	1378.5	....	....	....	....	1625.5
234.0	338.7	726.0	6.1	....	....	....	1070.8
160.5	160.0	602.5	....	....	....	....	762.5
211.5	158.5	760.1	....	....	....	....	918.6
236.9	128.3	781.7	....	....	....	35.3	945.3
159.9	481.3	498.4	....	1.0	....	....	980.7
340.0	450.0	1622.3	....	....	....	....	2072.3
149.2	155.3	440.5	8.0	....	....	3.9	607.7
137.0	39.0	395.7	....	....	....	1.2	435.9
291.5	374.0	1064.0	....	....	....	....	1438.0
369.8	208.0	1356.2	....	....	0.7	....	1564.9
294.6	263.5	1069.4	....	0.4	....	....	1333.3
222.5	349.1	1091.1	2.0	0.3	....	....	1442.5
230.9	560.5	424.0	....	....	....	....	984.5
241.0	541.1	853.7	....	2.5	12.5	....	1409.8
116.0	283.2	402.8	....	0.5	....	....	686.5
147.5	277.7	381.8	6.0	....	....	3.6	669.1
471.9	226.5	1300.1	....	....	....	0.2	1526.8
199.8	547.1	379.7	0.3	2.5	....	....	929.6
228.8	926.1	1317.6	....	....	....	....	2243.7
198.5	248.6	932.6	....	0.2	....	....	1181.4
185.7	74.9	969.6	2.3	2.8	....	....	1049.6
120.3	98.2	505.4	....	....	....	....	603.6
172.2	70.8	995.3	....	....	....	....	1066.1
186.1	309.7	609.7	....	1.4	....	....	920.8
275.2	708.7	250.0	....	....	....	....	958.7
172.8	56.4	317.7	....	....	....	....	374.1
200.1	1012.6	652.5	....	....	....	....	1665.1
264.7	502.0	1581.7	....	....	....	....	2083.7
463.3	567.9	753.4	....	3.8	....	5.0	1330.1
169.1	169.5	773.0	....	....	....	....	942.5
146.1	52.5	532.8	....	....	....	0.2	585.5
118.1	452.4	383.1	100.2	1.9	6.3	0.8	944.7
345.8	546.9	757.2	....	....	....	0.4	1304.5
154.2	111.0	448.7	0.8	....	....	....	560.5
333.8	516.8	1009.3	28.7	17.1	87.7	15.6	1675.2
8325.0	12329.5	28747.5	155.5	34.4	107.2	66.2	41440.3
....	1798.9	4209.6	21.6	58.2	1.5	....	6089.8
8325.0	14128.4	32957.1	177.1	92.6	108.7	66.2	47530.1

APPENDIX No. 12

WORK DONE ON TOWNSHIP ROADS — SUMMARY, 1939

County or District	Miles of Road Surfaced					New Bridges	Pipe and Tile Culvert	Other Culverts
	Gravel or Stone	Surface Treated Gravel or Stone	Low-Cost Bituminous Surfaces	Mixed Macadam or Asphaltic Concrete	Cement Concrete			
Brant	2.83						15	
Bruce	5.5					5	61	7
Carleton	18.75		.75			3	34	25
Dufferin	8.25					4	1	12
Elgin						1	44	13
Essex	6.5					3	11	
Frontenac	13.75						67	31
Grey	2.25					8	57	25
Haldimand	6.7						27	1
Halton	8.82					1	37	11
Hastings	14.75		.50			3	62	148
Huron	2.3					4	171	7
Kent	14.5					3	133	
Lambton	26.12					6	87	2
Lanark						2	11	
Leeds and Grenville	4.65		1.00	2.85		1	17	3
Lennox and Addington	3.00					5	8	21
Lincoln	20.1		1.25				39	4
Middlesex	4.0					4	44	
Norfolk	5.0					2	26	
Northumberland and Durham	34.7					12	127	29
Ontario	11.85		.18			1	84	15
Oxford	4.0		5.2				27	
Peel	10.20					4	47	1
Perth						4	42	2
Peterboro	4.00		.75			5	74	19
Prescott, Russell	4.5					5	7	32
Prince Edward	.30					2	12	2
Renfrew	7.50					2	39	203
Simcoe	21.96					4	115	27
Stormont, Dundas and Glengarry	2.5				.14	1	88	12
Victoria	6.0					7	35	18
Waterloo							39	1
Welland	22.3		4.80	.50			86	1
Wellington						1	113	5
Wentworth	11.3					2	68	1
York	4.31	6.20		2.25		1	270	5
Southern Totals	313.19	6.20	14.43	5.60	.14	106	2225	663
Haliburton and Muskoka	7.25	2.6	1.5			3	55	158
Parry Sound	15.00					12	42	196
Nipissing and Sudbury	19.34		1.2			16	32	95
Temiskaming and Cochrane S.	26.00		5.2			6	73	1
Cochrane N.	2.40					13		3
Algoma and Manitoulin						15	27	45
Thunder Bay			1.62			9	5	120
Kenora	3.75						9	21
Rainy River	5.01					6	4	68
Northern Totals	78.75	2.6	9.52			80	247	707
GRAND TOTALS	391.94	8.80	23.95	5.60	.14	186	2472	1370

Report of the Motor Vehicles Branch, 1939

To The Honourable T. B. McQuesten,
Minister of Highways.

Sir:

I have the honour to submit herewith a report of the activities of the Motor Vehicles Branch for the year 1939:

This report includes:

(a) A detailed summary of the motor vehicle permits and drivers' licenses issued for the 1939 license year ending March 31, 1940.

(b) A statement, duly certified by the Provincial Auditor, showing the revenue derived from all sources during the fiscal year ending March 31st, 1940.

(c) Reports dealing with the Accident Recording and Financial Responsibility Divisions of the Branch during the calendar year.

Motor Vehicle Registrations

Vehicles registered during 1939 exceeded the total for any previous year in the history of the motor vehicle in this Province. Comparative figures for 1938 and 1939 and the percentage advances from the 1938 totals are shown in the table below:

Type of Permit	1938	1939	
Passenger	580,364	593,693	2.3% Inc.
Commercial	81,642	82,206	0.7% Inc.
Two-Purpose	1,876	1,893	0.9% Inc.
Trailer	39,059	41,586	6.5% Inc.
Motorcycle	5,206	5,099	2.1% Dec.
Total	708,147	724,477	2.3% Inc.

Drivers' Licenses

Driving licenses (including 99,360 Instruction Permits) issued during 1939 totalled 998,932 or 2.4 per cent. more than the 1938 total (975,722).

Revenue

The Branch collected almost three quarters of a million dollars more revenue than during the previous fiscal year. Gross revenue amounted to $8,938,843.86. After deductions covering commissions, refunds and adjustments $8,681,936.75 was transmitted to the Treasury Department.

Public Vehicle Division

During the operating year of 1939 the number of Public Vehicle and Public Commercial Vehicle registrations was increased about 8.5%, with an increase in revenue of $20,635.35.

The high standard of Public Vehicle operations throughout the Province has been maintained and the policy of refraining from granting licenses over duplicating routes, except where proof of public necessity and convenience is shown, has resulted in improvements in equipment and dependable service to the public.

The Public Commercial Vehicle operators have co-operated splendidly with the Department which has resulted in fewer prosecutions for major infractions of the Commercial Vehicle Act and, as a whole, these operations have been raised to a much higher standard.

The year witnessed an increase in the number of "school buses" operating in various parts of the Province from twenty in 1938 to sixty-one in 1939.

No fee is charged for these buses which are used solely for the transportation of pupils to and from school and which have proved very beneficial, particularly in rural districts.

Public Vehicle registrations totalled 899, an increase of 71, while Public Commercial Vehicle registrations increased by 627 to 7,949. The revenue of this Division amounted to $428,003.51.

Accident Recording Division

Reported motor vehicle traffic accidents (involving personal injury or property damage in excess of $50.00) totalled 13,710 during 1939, and resulted in 652 deaths, injury to 11,638 persons and a direct damage loss to vehicles and other property amounting to $1,860,264. There was a slight reduction from the previous year's totals in the number of accidents and injuries, but an increase in the number of deaths and in the amount of property damage reported. The death rate showed very little change from 1938 and was considerably below the 1937 rate.

(More complete data with regard to Ontario accident experience during 1939 are given in the summary appended hereto. Also refer to special study covered in the 'Ontario Traffic News' for June, 1940.)

In addition to its duties as a central bureau for the collection, compilation and analysis of motor vehicle accident statistics, this Division has given increasing attention to the individual driver, in particular, those who have shown frequent or flagrant disregard of the regulations, and those who because of lack of experience, or age, physical or mental handicaps are more accident-liable. The importance of this field of activity has been recognized by the various law enforcement agencies, insurance companies, health departments and the medical profession, as well as a large number of the general public and an increasing number of cases requiring attention have thus been brought to light and dealt with each year. These efforts directed towards the individual, together with enforcement and educational efforts designed to bring the rules of safe practice to the attention of the general public, would seem to be the fields of activity by which this Division may produce the most beneficial results in promoting safer travel on the streets and highways of Ontario.

Financial Responsibility Division

During this year there were 6,317 suspension orders issued by this Division. Of these, 5,211 applied to both drivers' licenses and motor vehicle permits and required the filing of proof of financial responsibility. Most of the others affected drivers' licenses only and were effective for various periods of time. On December 31st, 1939, there were 14,252 financial responsibility orders in effect.

All of which is respectfully submitted,

J. P. Bickell,
Registrar of Motor Vehicles.

COMPILED BY MOTOR VEHICLES BRANCH — DEPARTMENT OF HIGHWAYS

1939 STATISTICS

MOTOR VEHICLE REGISTRATIONS

Automobile Permits	593,693
Commercial Permits	82,206
Convertible Permits	1,893
Trailer Permits	41,586
Motorcycle Permits	5,099
Automobile Dealers' Permits	1,192
Motorcycle Dealers' Permits	11
Operators	634,470
Instruction Permits	99,360
Motorcycle Operators	673
Chauffeurs	264,429
In Transits	17,139
Transfers	131,861
Public Vehicles	899
Public Commercial Vehicles	7,744

PASSENGER CARS

Cylinders and Horsepower

Four Cylinders	147,795
Six Cylinders under 28 Horsepower	289,128
Six Cylinders over 28 Horsepower	54,843
Eight Cylinders under 35 Horsepower	93,538
Eight Cylinders over 35 Horsepower	6,890
Twelve Cylinders	781
Sixteen Cylinders	34
Electric	2
Ontario Government, Dominion Government	682
	593,693

Registrations

Originals	48,312
Renewals	545,381
	593,693

Convertible Permits

Four Cylinders	1,300
Six Cylinders under 28 Horsepower	508
Six Cylinders over 28 Horsepower	12
Eight Cylinders under 35 Horsepower	68
Eight Cylinders over 35 Horsepower	1
Ontario Government, Dominion Government	4
	1,893

COMMERCIAL CARS REGISTERED

Tires

Pneumatic	78,437
Solid and Diesel	147
Municipal	2,629
Ontario Government, Dominion Government	993

Gross Weight

	Pneumatic Tires	Solid Tires
Of not more than 2 tons	25,090	4
More than two tons and up to two-and-a-half tons	8,439	...
More than two-and-a-half tons and up to three tons	13,632	14
More than three tons and up to three-and-a-half tons	1,232	...
More than three-and-a-half tons and up to four tons	7,311	4
More than four tons and up to five tons	6,607	4
More than five tons and up to six tons	4,192	3
More than six tons and up to seven tons	3,516	10
More than seven tons and up to eight tons	4,447	8
More than eight tons and up to nine tons	1,773	5
More than nine tons and up to ten tons	1,928	62
More than ten tons and up to eleven tons	90	8
More than eleven tons and up to twelve tons	120	12
More than twelve tons and up to thirteen tons	11	3
More than thirteen tons and up to fourteen tons	13	...
More than fourteen tons and up to fifteen tons	36	10
	78,437	147
Municipal	2,629	...
Ontario Government, Dominion Government	993	82,059
		82,206

Registrations

Originals	8,517
Renewals	73,689
	82,206

Trailer Gross Weight

Of one ton or less	37,347
More than one ton and up to two tons	1,078
More than two tons and up to three tons	251
More than three tons and up to four tons	157
More than four tons and up to five tons	309
More than five tons and up to six tons	323
More than six tons and up to seven tons	460
More than seven tons and up to eight tons	1,205
More than eight tons and up to nine tons	20
More than nine tons and up to ten tons	171
More than ten tons and up to eleven tons	...
More than eleven tons and up to twelve tons	...
More than twelve tons and up to thirteen tons	...
More than thirteen tons and up to fourteen tons	...
More than fourteen tons and up to fifteen tons	23
Municipal	128
Ontario Government, Dominion Government	114
	41,586

REGISTRATIONS — Continued

Cities and Counties

	Passenger Cars	Commercials
Algoma	6,580	1,219
Brant	9,105	1,266
Bruce	8,911	718
Carleton	25,924	3,367
Cochrane	3,761	848
Dufferin	3,098	242
Dundas	3,036	293
Durham	5,020	493
Elgin	9,245	1,126
Essex	27,238	3,892
Frontenac	7,176	1,111
Glengarry	2,488	283
Grenville	3,046	357
Grey	9,888	980
Haldimand	5,124	609
Haliburton	838	142
Halton	5,726	865
Hastings	10,658	1,467
Huron	9,066	769
Kenora	2,197	750
Kent	14,521	1,964
Lambton	11,117	1,184
Lanark	5,670	562
Leeds	6,246	951
Lennox and Addington	3,524	461
Lincoln	10,743	2,116
Middlesex	22,951	2,834
Muskoka	3,270	629
Nipissing	3,496	784
Norfolk	7,760	1,006
Northumberland	5,299	706
Ontario	11,237	1,209
Oxford	11,557	1,427
Parry Sound	2,854	567
Peel	6,366	1,025
Perth	9,732	934
Peterborough	7,578	869
Prescott	2,255	300
Prince Edward	3,286	466
Rainy River	1,771	482
Renfrew	6,962	793
Russell	1,679	304
Simcoe	13,485	1,791
Stormont	5,027	595
Sudbury	8,837	1,647
Thunder Bay	8,121	1,605
Temiskaming	10,032	2,038
Victoria	5,142	570
Waterloo	16,122	1,863
Welland	15,262	2,111
Wellington	10,563	1,115
Wentworth	31,663	4,500
York	150,986	21,829
Miscellaneous	454	172
	593,693	82,206

Cities Only

	Passenger Cars	Commercials
Belleville	2,576	486
Brantford	5,329	884
Chatham	3,646	716
Fort William	3,220	558
Galt	2,458	318
Guelph	3,273	556
Hamilton	24,825	3,528
Kingston	3,932	676
Kitchener	5,342	776
London	13,137	1,953
Niagara Falls	4,432	588
North Bay	1,740	357
Oshawa	4,753	523
Ottawa	19,223	2,532
Owen Sound	2,134	334
Peterborough	4,172	605
Port Arthur	2,911	535
St. Catharines	5,337	1,156
St. Thomas	2,947	418
Sarnia	3,454	525
Sault Ste. Marie	3,360	539
Stratford	2,728	346
Sudbury	4,607	756
Toronto	129,214	18,826
Welland	2,253	385
Windsor	13,375	2,005
Woodstock	2,178	359
	276,556	41,240

MOTOR VEHICLE REGISTRATIONS FOR THE YEARS 1904-1939, INCLUSIVE

Year	Passenger Cars	Owned in Ontario	Others	Commercial Vehicles	Two-Purpose Vehicles	Motorcycles	Trailers	Public Vehicles		Public Commercial Vehicles	
								Oper.	Licenses	Oper.	Licenses
1904	535	....	....	....	....	....	....	....	....	....	....
1905	553	....	....	....	....	....	....	....	....	....	....
1906	1,176	517	659	....	....	....	....	....	....	....	....
1907	1,530	550	980	....	....	....	....	....	....	....	....
1908	1,754	589	1,165	....	....	....	....	....	....	....	....
1909	2,452	1,020	1,432	....	....	....	....	....	....	....	....
1910	4,230	1,977	2,253	....	....	....	....	....	....	....	....
1911	11,339	7,338	4,001	....	....	....	....	....	....	....	....
1912	16,268	11,939	4,327	....	....	1,754	....	....	....	....	....
1913	23,700	17,750	5,950	....	....	2,900	....	....	....	....	....
1914	31,724	25,308	6,415	....	....	3,633	....	....	....	....	....
1915	42,346	36,661	5,686	....	....	4,174	....	....	....	....	....
1916	51,589	50,587	1,002	2,786	....	4,287	....	....	....	....	....
1917	78,861	78,475	386	4,929	....	5,180	....	....	....	....	....
1918	101,845	101,599	246	7,529	....	5,002	....	....	....	....	....
1919	127,860	127,512	348	11,428	....	5,516	....	....	....	....	....
1920	155,861	155,519	342	16,204	....	5,496	....	....	....	....	....
1921	181,978	181,686	292	19,554	....	4,989	327	....	....	....	....
1922	210,333	210,008	325	24,164	....	4,799	463	....	....	....	....
1923	245,815	245,435	380	28,612	....	4,325	591	....	....	....	....
1924	271,341	270,876	465	31,488	....	3,941	778	50	102	....	....
1925	303,736	303,216	520	34,690	....	3,748	1,058	91	216	....	....
1926	343,992	343,586	406	39,012	....	3,345	1,398	107	384	....	....
1927	386,903	386,311	592	43,442	....	3,159	1,962	103	480	....	....
1928	429,426	428,890	536	54,714	....	3,197	3,281	104	522	367	945
1929	473,222	472,634	588	55,218	8,226	3,541	4,903	80	587	285	1,118
1930	490,906	490,270	636	61,690	5,986	3,924	7,111	95	643	372	1,155
1931	489,713	489,067	646	64,256	4,177	4,070	9,996	90	629	1,977	3,900
1932	462,923	462,598	325	61,347	3,239	4,088	12,998	100	590	1,938	3,397
1933	453,314	452,961	353	59,760	2,909	4,370	16,311	85	494	2,239	4,235
1934	470,617	470,239	378	64,436	2,724	4,468	19,871	85	513	1,942	4,086
1935	489,610	489,164	446	67,590	2,370	4,506	24,232	102	597	2,218	4,834
1936	514,211	513,952	259	70,693	....	4,553	27,930	118	695	2,987	6,231
1937	541,802	541,532	270	75,687	1,847	4,582	31,771	110	754	3,186	6,881
1938	580,364	579,418	946	81,642	1,876	5,206	39,059	124	828	3,750	7,342
1939	593,693	593,239	454	82,206	1,893	5,099	41,586	130	899	3,758	7,744

MOTOR VEHICLES BRANCH

Highways Department

Revenue for Fiscal Year 1939–1940

		Gross	Deductions	Net
Passenger Car Permits		$ 4,221,273.50	$ 111,921.38	$ 4,109,352.12
Commercial Permits		2,746,402.75	17,571.70	2,728,831.05
Two-Purpose Permits		7,191.00	327.40	6,863.60
Trailer Permits		267,693.00	8,629.70	259,063.30
Motorcycle Permits		4,982.00	655.35	4,326.65
Dealers' Permits		23,755.00	....	23,755.00
Motorcycle Dealers' Permits		27.00	....	27.00
Operators and Instruction		708,351.00	67,357.80	640,993.20
Chauffeurs		295,079.00	24,326.30	270,752.70
In Transits		7,642.50	647.05	6,995.45
Transfers		133,016.50	20,076.90	112,939.60
Public Vehicles		159,615.53	600.89	159,014.64
Public Commercial Vehicles		268,387.98	4,485.64	263,902.34
Duplicate Cards		10,290.50	5.00	10,285.50
Searches and Certificates		1,300.56	5.50	1,295.06
Fines		68,282.31	247.50	68,034.81
Lists		223.32	....	223.32
Postage		67.53	....	67.53
Testing Reflectors and Headlights		415.06	20.00	395.06
Examination Fees		14,659.00	29.00	14,630.00
Miscellaneous		188.82	....	188.82
		$ 8,938,843.86	$ 256,907.11	$ 8,681,936.75
Balances due from Agents		$ 1,433.75		
Less amount overcharged on:				
Passenger Cars	$ 22.20			
Commercials	30.50	52.70	1,486.45	
		$ 8,938,843.86	$ 258,393.56	$ 8,680,450.30
Bank Interest	$ 1.74			
1938–1939 Balances Paid	1,651.20			
Journal entry No. 59 (Dept. of Labour)	1.00			1,653.94
				$ 8,682,104.24

MOTOR VEHICLES BRANCH

Highways Department

Revenue for Fiscal Year 1939-1940

Passenger Car Permits		$ 4,221,273.50		
Commercial Permits		2,746,402.75		
Two-Purpose Permits		7,191.00		
Trailer Permits		267,693.00		
Motorcycle Permits		4,982.00		
Dealers' Permits		23,755.00		
Motorcycle Dealers' Permits		27.00		
Operators and Instruction		708,351.00		
Chauffeurs		295,079.00		
In Transits		7,642.50		
Transfers		133,016.50		
Public Vehicles		159,615.53		
Public Commercial Vehicles		268,387.98		
Duplicate Cards		10,290.50		
Searches and Certificates		1,300.56		
Fines		68,282.31		
Lists		223.32		
Postage		67.53		
Testing Reflectors and Headlights		415.06		
Examination Fees		14,659.00		
Miscellaneous		188.82		
			$ 8,938,843.86	
Less:—				
Commissions deducted by Agents		$ 247,083.85		
Refunds deducted by Provincial Treasurer		5,556.37		
Balances due from Agents		1,433.75		
Amount overcharged on:				
Passenger Cars	22.20			
Commercials	30.50	52.70		
Journal entry re Ontario Municipal Board Fees		4,266.39		
Cheque charged back as N. S. F., E. C. Armstrong (Trailer)		.50	258,393.56	$ 8,680,450.30
Bank Interest	$ 1.74			
1938-1939 Balanced Paid	1,651.20			
Journal Entry No. 59 (Department of Labour)	1.00			1,653.94
				$ 8,682,104.24

MOTOR VEHICLES BRANCH

Highways Department

Itemized Statement of Receipts for Fiscal Year 1939-1940

Passenger Cars:—

136,720 ×	2.00 (4 cyl.)	$ 273,440.00	
332 ×	1.00 ½ fee	332.00	
301,352 ×	7.00 (6 cyl.)	2,109,464.00	
1,896 ×	3.50 ½ fee	6,636.00	
65,321 ×	10.00	653,210.00	
1,198 ×	5.00 ½ fee	5,990.00	
103,020 ×	10.00 (8 cyl.)	1,030,200.00	
1,278 ×	5.00 ½ fee	6,390.00	
7,225 ×	15.00	108,375.00	
102 ×	7.50 ½ fee	765.00	
824 ×	25.00 (12 cyl.)	20,600.00	
18 ×	12.50 ½ fee	225.00	
32 ×	35.00 (16 cyl.)	1,120.00	
1 ×	17.50 ½ fee	17.50	
4,454 ×	1.00 New Sets	4,454.00	
45 ×	New Sets, No Fee	....	
797 ×	Free	....	
(624,615)			
	Balance of Fees	55.00	
			$ 4,221,273.05

Commercials:—

Pneumatic Tires

25,888 ×	7.50	194,160.00	
262 ×	3.75 ½ fee	982.50	
9,995 ×	12.50	124,937.50	
170 ×	6.25 ½ fee	1,062.50	
13,129 ×	18.00	236,322.00	
133 ×	9.00 ½ fee	1,197.00	
1,741 ×	27.00	47,007.00	
30 ×	13.50 ½ fee	405.00	
6,988 ×	36.00	251,568.00	
89 ×	18.00 ½ fee	1,602.00	
6,688 ×	48.50	324,368.00	
93 ×	24.25 ½ fee	2,255.25	
4,188 ×	63.00	263,844.00	
37 ×	31.50 ½ fee	1,165.50	
3,270 ×	73.50	240,345.00	
33 ×	36.75 ½ fee	1,212.75	
4,477 ×	84.00	376,068.00	
49 ×	42.00 ½ fee	2,058.00	
1,990 ×	108.00	214,920.00	
22 ×	54.00 ½ fee	1,188.00	
2,218 ×	127.50	282,795.00	
27 ×	63.75 ½ fee	1,721.25	
16 ×	148.50	2,376.00	
28 ×	171.00	4,788.00	
11 ×	195.00	2,145.00	
2 ×	97.50 ½ fee	195.00	
12 ×	220.50	2,646.00	
39 ×	247.50	9,652.50	
1 ×	123.75 ½ fee	123.75	

Solid Tires and Diesel

3 ×	12.00	36.00	
10 ×	24.50	245.00	
4 ×	45.00	180.00	
3 ×	60.00	180.00	
1 ×	76.50	76.50	
3 ×	89.00	267.00	
5 ×	102.00	510.00	
1 ×	128.00	128.00	
57 ×	150.00	8,550.00	
4 ×	198.00	792.00	
3 ×	99.00 ½ fee	297.00	
3 ×	224.00	672.00	

9 × 281.00	2,529.00	
2,821 × 2.00 Munic.	5,642.00	
1,479 × 1.00 New Sets	1,479.00	
36 × New Sets, No Fee	....	
1,252 × Free	....	
Increased Capacity	59,444.25	
BUSES:— **Pneumatic Tires**		
1 × 7.50	7.50	
22 × 18.00	396.00	
38 × 27.00	1,026.00	
103 × 41.00	4,223.00	
125 × 54.00	6,750.00	
7 × 27.00 ½ fee	189.00	
268 × 63.00	16,884.00	
8 × 31.50 ½ fee	252.00	
134 × 72.00	9,648.00	
10 × 36.00 ½ fee	360.00	
30 × 87.50	2,625.00	
2 × 43.75 ½ fee	87.50	
54 × 97.50	5,265.00	
62 × 123.50	7,657.00	
9 × 61.75 ½ fee	555.75	
102 × 135.00	13,770.00	
Solid Tires and Diesel		
2 × 108.00	216.00	
4 × 120.00	480.00	
8 × 148.50	1,188.00	
3 × 162.00	486.00	
9 × 1.00 Spec. Fee	9.00	
9 × 1.00 New Sets	9.00	
(88,330)		
Increased Capacity	180.75	
		$ 2,746,402.75
TWO-PURPOSE:—		
1,278 × 2.00 (4 cyl.)	2,556.00	
8 × 1.00 ½ fee	8.00	
505 × 7.00 (6 cyl.)	3,535.00	
2 × 3.50 ½ fee	7.00	
9 × 10.00	90.00	
1 × 5.00 ½ fee	5.00	
88 × 10.00 (8 cyl.)	880.00	
1 × 15.00	15.00	
95 × 1.00 New Sets	95.00	
2 × Free	....	
		$ 7,191.00
(1,989)		
TRAILERS:—		
39,693 × 2.00	$ 79,386.00	
502 × 1.00 ½ fee	502.00	
1,101 × 7.50	8,257.50	
25 × 3.75 ½ fee	93.75	
241 × 15.50	3,735.50	
15 × 7.75 ½ fee	116.25	
165 × 24.00	3,960.00	
1 × 12.00 ½ fee	12.00	
333 × 37.50	12,487.50	
3 × 18.75 ½ fee	56.25	
275 × 49.50	13,612.50	
3 × 24.75 ½ fee	74.25	
502 × 57.50	28,865.00	
4 × 28.75 ½ fee	115.00	
1,359 × 66.00	89,694.00	
16 × 33.00 ½ fee	528.00	
11 × 81.00	891.00	
1 × 40.50 ½ fee	40.50	
220 × 90.00	19,800.00	
4 × 45.00 ½ fee	180.00	

1 × 126.00		126.00	
19 × 157.50		2,992.50	
7 × 78.75 ½ fee		551.25	
268 × 2.00 Munic.		536.00	
253 × .50 New Sets		126.50	
1 × New Sets, No Fee			
116 × Free			
(45,139)			
Increased Capacity		953.75	
			$ 267,693.00
MOTORCYCLES:—			
4,959 × 1.00		4,959.00	
25 × .50 ½ fee		12.50	
21 × .50 New Sets		10.50	
76 × Free			
			$ 4,982.00
(5,081)			
"M" DEALERS:—			
1,185 × 20.00		23,700.00	
1 × 10.00 ½ fee		10.00	
45 × 1.00 New Sets		45.00	
1 × New Sets, No Fee			
			23,755.00
(1,232)			
"MC" DEALERS:—			
9 × 3.00		27.00	
			$ 27.00
OPERATORS:—			
655,060 × 1.00 Operators		655,060.00	
100,102 × .50 Instruction		50,051.00	
638 × 1.00 M. C. Operators		638.00	
24 × Free Operator			
11 × Free Instruction			
(755,835)			
Operator Previous Year Fees, 1938		2,580.00	
Operator Prev. Year Fees, 1937		5.00	
M. C. Operator Prev. Year Fees, 1938		17.00	
			$ 708,351.00
CHAUFFEURS:—			
21,046 × 2.00 Originals	42,092.00		
1,333 × 1.00 Originals, ½ fee	1,333.00		
250,415 × 1.00 Renewals	250,415.00		
18 × Free Renewals			
(272,812)			
Previous year fees, 1938		1,234.00	
Previous year fees, 1937		5.00	
			295,079.00
IN TRANSITS:—			
15,285 × .50		7,642.50	
			7,642.50
TRANSFERS:—			
123,655 × 1.00 Passenger		123,655.00	
8,451 × 1.00 Commercial		8,451.00	
837 × .50 Motorcycle		418.50	
147 × 1.00 Two-Purpose		147.00	
340 × 1.00 Trailer		340.00	
5 × 1.00 "M" Dealer		5.00	
			133,016.50
(133,435)			
PUBLIC VEHICLES			159,615.53
PUBLIC COMMERCIAL VEHICLES			268,387.98
DUPLICATE CARDS:—			
4,687 × .50 Passenger		2,343.50	
942 × .50 Commercial		471.00	
42 × .50 Motorcycle		21.00	
9 × .50 Two-Purpose		4.50	

160 ×	.50 Trailer	80.00	
1,199 ×	.50 Passenger Transfers	599.50	
95 ×	.50 Commercial Transfers	47.50	
1 ×	.50 Motorcycle Transfers	.50	
2 ×	.50 Two-Purpose Transfers	1.00	
1 ×	.50 Trailer Transfers	.50	
136 ×	.50 Dealer Passenger Transfers	68.00	
24 ×	.50 Dealer Commercial Transfers	12.00	
2 ×	.50 "M" Dealers	1.00	
578 ×	.50 Chauffeur Orig.	289.00	
4,234 ×	.50 Chauffeur Renewals	2,117.00	
8,445 ×	.50 Operators	4,222.50	
12 ×	.50 M. C. Operators	6.00	
(20,569)			
12 ×	.50 1937	6.00	
			$ 10,290.50
SEARCHES AND CERTIFICATES:—			
4 ×	.03	.12	
1 ×	.05	.05	
1 ×	.06	.06	
1 ×	.10	.10	
1,129 ×	.25	282.25	
2 ×	.30	.60	
1 ×	.42	.42	
165 ×	.50	82.50	
1 ×	.60	.60	
57 ×	.75	42.75	
1 ×	.90	.90	
231 ×	1.00	231.00	
2 ×	1.03	2.06	
13 ×	1.25	16.25	
5 ×	1.50	7.50	
5 ×	1.75	8.75	
75 ×	2.00	150.00	
7 ×	2.25	15.75	
7 ×	2.50	17.50	
32 ×	3.00	96.00	
22 ×	4.00	88.00	
1 ×	4.50	4.50	
1 ×	4.75	4.75	
9 ×	5.00	45.00	
2 ×	5.25	10.50	
1 ×	5.40	5.40	
8 ×	6.00	48.00	
1 ×	6.50	6.50	
3 ×	7.00	21.00	
3 ×	8.00	24.00	
1 ×	9.00	9.00	
2 ×	10.00	20.00	
1 ×	10.25	10.25	
1 ×	10.50	10.50	
1 ×	12.00	12.00	
2 ×	13.00	26.00	
			$ 1,300.56
(1,799)			
FINES			68,282.31
LISTS			223.32
Postage			67.53
TESTING REFLECTORS AND HEADLIGHTS			415.06
EXAMINATION FEES			14,659.00
MISCELLANEOUS			188.82
GROSS RECEIPTS			8,938,843.36
LESS:			
Commissions paid to Agents; Refunds and Adjustments			256,739.62
			$ 8,682,104.24

ANNUAL REPORT OF THE FINANCIAL RESPONSIBILITY DIVISION FOR THE YEAR 1939

For the first time in five years the total number of suspension orders issued fell below the total of the preceding year. This was a result, not of decreased activity in this Division but of a change in the legislation governing the issuance of financial responsibility suspensions, and by the enactment of the "careless driving" provision to replace the former "reckless driving" provision which had been nullified by Dominion legislation covering the same offence. The alteration with respect to reckless driving required the issuance of a financial responsibility suspension only when the offence caused an accident and was made retroactive to the date the Dominion legislation became effective with the result that a substantial number of suspension orders issued during 1938 were rescinded. The careless driving provision did not authorize suspension of license by the magistrate and required the filing of proof of financial responsibility only when the offence was connected with an accident. For purposes of comparison the suspensions resulting from both careless and reckless driving have been grouped in this report under the former heading of reckless driving.

As in previous years, reckless driving convictions accounted for the greatest number of suspensions, in 1939 almost 50% of the total. The number of suspensions as a result of convictions for having care or control of a motor vehicle while intoxicated decreased appreciably.

During the years 1938 and 1939 there were 287 unsatisfied judgments for damages occasioned by motor vehicles reported to the department. This was approximately 50% of the total reported during the previous seven years. It is a consequence, however, of the reduction of the minimum under which action can be taken, with respect to judgments for property damage only, from $100.00 to $25.00, rather than to any apparent tendency of judgment debtors to ignore their obligations. During these same years 90, or approximately one third of those suspended for this reason, did arrange for settlement of the judgments and were reinstated upon the filing of proof of financial responsibility.

The campaign for the removal of unfit drivers from our roads by the use of the authority vested in the Minister of Highways to revoke driving privileges was continued and some 700 suspension orders were issued under this authority. Those affected were deemed unfit to hold drivers' licenses because of mental or physical disability or because of operating records which showed them to be incompetent, irresponsible or contemptuous of the requirements of law. In most cases these suspensions are intended to be permanent. The splendid assistance and wholehearted co-operation of the Department of Health has been an important factor in this campaign.

Table I appended hereto shows the number of financial responsibility suspensions which have been issued in 1938 and 1939, and during the entire period this legislation has been in effect. Table II shows the number of suspensions rescinded during the same periods. Comparison of the two tables shows that there were 14,252 financial responsibility suspensions remaining in effect on December 31st, 1939.

Table III shows the number of suspension orders for various causes which did not carry with them the requirement that proof of financial responsibility be filed. These include suspensions made effective by the courts throughout the Province as well as those given effect by the Department. No statistics are prepared as to the expiration of these suspensions so that it is not possible to state how many remained in effect at the end of the year. It can be estimated, however, that not less than 2,000 were still effective at that time. Adding the financial responsibility suspensions it may be seen that at the close of the year more than 16,000 persons were denied the use of Ontario streets and highways as operators of motor vehicles.

FINANCIAL RESPONSIBILITY SUSPENSIONS

September 1, 1930, to December 31, 1939

Table I

Offence	1930–37	1938	1939	Total
Reckless Driving	9,741	2,533	2,560	14,834
Speeding	346	76	34	456
Racing	11	5	......	16
No License	4,615	247	166	5,028
Criminal Negligence	245	29	14	288
Other Offences	627	148	178	953
Policy Cancellation	5,084	1,050	911	7,045
Unsatisfied Judgments	516	106	150	772
Failure to Remain	1,358	361	317	2,036
Intoxication	3,709	1,089	881	5,679
Totals	26,252	5,644	5,211	37,107

FINANCIAL RESPONSIBILITY SUSPENSIONS RESCINDED

September 1, 1930, to December 31, 1939

Table II

Offence	1930–37	1938	1939	Total
Reckless Driving	5,752	1,184	1,531	8,467
Speeding	252	51	31	334
Racing	11	1	2	14
No License	4,105	52	40	4,197
Criminal Negligence	101	14	9	124
Other Offences	157	10	22	189
Policy Cancellation	2,901	371	401	3,673
Unsatisfied Judgment	149	36	54	239
Failure to Remain	815	141	165	1,121
Intoxication	1,259	193	219	1,671
Expiry†	1,439	649	739	2,827
Totals	16,941	2,702	3,213	22,856

† Relieved pursuant to the provisions of Section 86 of the Highway Traffic Act. Not classified according to offence.

NON-FINANCIAL RESPONSIBILITY SUSPENSIONS

September 1, 1930, to December 31, 1939

Table III

Offence	1930–37	1938	1939	Total
Reckless Driving	5,119	907	347	6,373
Speeding	308	34	11	353
Racing*	4	2	......	6
No License	27	5	......	32
Criminal Negligence*	5	1	......	6
Other Offences	977	813	716	2,506
Unsatisfied Judgment*	52	16	9	77
Failure to Remain*	25	9	6	40
Intoxication*	82	22	17	121
Totals	6,599	1,809	1,106	9,514

* These suspensions all required the surrender or confiscation not only of drivers' licenses but also all motor vehicle permits and number plates registered in name of person suspended.

STATISTICS RELATING TO MOTOR VEHICLES TRAFFIC ACCIDENTS IN ONTARIO

1931-1939

On another page is shown a recapitulation of statistics of motor vehicle traffic accidents (involving personal injury or property damage in excess of $50.00) reported to the Motor Vehicles Branch during the calendar year 1939.

Comparative figures for the years 1931 to 1939 are shown in the following table:

	1931	1932	1933	1934	1935	1936	1937	1938	1939	Total
Fatal accidents	525	461	372	476	501	501	686	580	573	4,675
Personal injury accidents	6,191	6,182	5,965	6,763	7,365	7,803	8,951	8.547	8,506	66,273
Property damage only accidents	2,525	2,528	2,297	2,406	2,782	3,084	4,269	4,588	4,631	29,110
Total accidents reported	9,241	9,171	8,634	9,645	10,648	11,388	13,906	13,715	13,710	100,058
Number fatally injured	571	502	403	512	560	546	766	640	652	5,152
Number non-fatally injured	8,494	8,231	7,877	8,990	9,839	10,251	12,092	11,683	11,638	89,095
Amount of damage reported	$1,094,039	$994,510	$834,442	$942,722	$1,085,084	$1,241,851	$1,712,467	$1,747,841	$1,860,264	$11,513,220
Mileage rate*	16.4	14 8	12.2	14.1	14.6	13.1	16.2	13.2	13.4	....
Death rate per 10,000 vehicles	10.2	9.4	7.7	9.4	9.9	9.3	12.3	9.6	9.6	....
Death rate per 100,000 population	16.6	14.4	11.3	14.1	15.2	14.8	20.6	17.1	17.4	....
Total drivers involved	13,336	13,060	12,141	13,731	15,111	16,070	20,025	19,906	19,793	143,173
Drivers in fatal accidents	614	526	420	570	579	602	843	729	674	5,557
Total vehicles involved	13,882	13,600	12,679	14,204	15,645	16,750	20,907	20,797	20,630	148,094
Vehicles in fatal accidents	638	556	455	587	607	626	862	758	692	5,781
Vehicles registered**	562,216	531,597	520,353	542,245	564,076	589,457	623,918	669,076	682,891	....
Drivers registered	704,356	699,335	692,084	735,381	784,835	842,189	900,051	974,550	996,939	....
CLASSIFICATION OF PERSONS KILLED:										
Drivers	122	100	65	109	102	97	150	120	125	990
Passengers	152	125	121	140	175	156	221	203	206	1,499
Pedestrians	255	230	175	215	227	244	299	259	261	2,165
Others (in horse-drawn vehicles, etc.)	4	8	7	6	10	8	9	3	4	59
Bicyclists	18	27	25	31	36	30	65	43	48	323
Motorcycle drivers	15	10	6	7	9	9	17	11	8	92
Motorcycle passengers	5	2	4	4	1	2	5	1	....	24
CLASSIFICATION OF PERSONS INJURED:										
Drivers	1,612	1,546	1,423	1,630	1,782	1,815	2,273	2,250	2,375	16,706
Passengers	3,208	3,041	2,827	3,208	3,492	3,633	4,484	4,403	4,483	32,779
Pedestrians	2,880	2,737	2,646	2,979	3,179	3,362	3,696	3,361	3,171	28,011
Others (persons in horse-drawn vehicles, etc.)	139	113	121	151	142	123	135	138	121	1,183
Bicyclists	448	572	649	822	1,021	1,106	1,253	1,298	1,303	8,472
Motorcycle drivers	163	175	163	163	184	182	205	198	155	1,588
Motorcycle passengers	44	47	48	37	39	30	46	35	30	356
Urban (city, town and village) accid s	5,777	5,572	5,218	5,792	6,510	7,048	8,101	7,755	7,839	59,612
Rural (King's highway, county ar township road) accidents	3,464	3,599	3,416	3,853	4,138	4,340	5,805	5,960	5,871	40,446
Urban fatal accidents	218	193	150	194	194	193	258	206	199	1,805
Rural fatal accidents	307	268	222	282	307	308	428	374	374	2,870
AGE OF PERSONS KILLED:										
0– 4	30	30	30	25	30	26	39	25	25	260
5–14	74	65	49	69	52	49	87	66	90	601
15–35	174	158	137	162	179	172	248	209	208	1,647
36–54	126	107	69	117	151	134	165	144	121	1,134
55–64	71	55	42	59	72	51	109	88	84	631
65 and over	96	87	76	80	76	114	118	108	124	879
Total	571	502	403	512	560	546	766	640	652	5,152
AGE OF PERSONS INJURED:										
0– 4	483	419	452	437	501	498	586	566	470	4,412
5–14	1,344	1,388	1,411	1,480	1,594	1,676	1,854	1,729	1,650	14,126
15–35	2,800	3,018	2,828	3,414	3,806	4,085	4,865	4,820	5,000	34,636
36–54	1,508	1,612	1,636	1,891	2,145	2,207	2,673	2,610	2,647	18,929
55–64	460	459	502	566	633	676	848	848	757	5,749
65 and over	362	347	386	448	481	515	658	595	605	4,397
Not stated	1,537	988	662	754	679	594	608	515	509	6,846
Total	8,494	8,231	7,877	8,990	9,839	10,251	12,092	11,683	11,638	89,095

* Deaths per 100,000,000 miles ravelled. This rate is based on gasoline consumption figures for the Province.

** Includes passenger cars, comm rcial vehicles, two-purpose vehicles and motorcycles (trailers not included).

19
2500-Nov 1937

PROVINCE OF ONTARIO
MOTOR VEHICLES BRANCH

SUMMARY OF MOTOR VEHICLE ACCIDENT STATISTICS Ontario DURING Year 1939.

1. TYPE OF ACCIDENT

1. Type of Accident	Number of Accidents: Total	Fatal	Personal Injury	Property Damage only
1 Collision with pedestrian	3206	254	2952	
2 Collision with other automobile	5796	97	2486	3213
3 Collision with horse drawn vehicle	182	5	109	68
4 Collision with R R train	138	31	66	41
5 Collision with street car	225		95	130
6 Collision with other vehicles	21		13	8
7. Collision with fixed object.	1449	58	737	654
8 Collision with bicycle	1329	47	1281	1
9 Collision with motorcycle	144	6	137	1
10. Non-collision accident	1059	68	585	406
11. Miscellaneous	161	7	45	109
TOTALS	13710	573	8506	4631

1. Type of Accident	Number of Persons Killed: Previous Year's Total All Ages	Total All Ages	0-4	5-14	15-35	36-54	55-64	65 and Over	Not Stated	Male	Female
1 Collision with pedestrian	253	261	22	64	30	33	37	75		192	69
2 Collision with other automobile	157	124	3	2	46	26	19	28		86	38
3 Collision with horse drawn vehicle	2	5			1	2	1	1		2	3
4 Collision with R R train	45	48		8	21	8	6	5		31	17
5 Collision with street car	10										
6 Collision with other vehicles	1										
7. Collision with fixed object.	59	74		1	49	11	5	8		58	16
8 Collision with bicycle	42	50		13	17	13	6	1		45	5
9 Collision with motorcycle	10	6			6					6	
10. Non-collision accident	52	77		1	35	26	9	6		56	21
11. Miscellaneous	9	7		1	3	2	1			4	3
TOTALS	640	652	25	90	208	121	84	124		480	172

1. Type of Accident	Number of Persons Injured: Previous Year's T'l All Ages	Total All Ages	0-4	5-14	15-35	36-54	55-64	65 and Over	Not Stated	Male	Female
1 Collision with pedestrian	3268	3088	357	1039	512	525	237	292	126	1905	1183
2 Collision with other automobile	4397	4409	91	216	2114	1255	314	188	231	2441	1968
3 Collision with horse drawn vehicle	163	135	1	6	55	43	12	14	4	113	22
4 Collision with R R train	78	124	1	3	71	31	8	5	5	85	39
5 Collision with street car	122	148	3	6	71	51	6	6	5	102	46
6 Collision with other vehicles	17	22			8	6	1		7	21	1
7. Collision with fixed object.	1160	1198	5	32	729	297	58	44	33	801	397
8 Collision with bicycle	1312	1309	2	308	699	175	57	19	49	1170	139
9 Collision with motorcycle	212	163	1	2	140	12		2	6	149	14
10. Non-collision accident	867	988	7	33	574	239	60	34	41	600	388
11. Miscellaneous	87	54	2	5	27	13	4	1	2	32	22
TOTALS	11683	11638	470	1650	5000	2647	757	605	509	7419	4219

2. HOUR OF OCCURRENCE

2. Hour of Occurrence	Number of Accidents: Total	Fatal	Personal Injury	Property Damage Only
12 to 1 A.M.	660	35	361	264
1 to 2 A.M.	347	20	190	137
2 to 3 A.M.	261	8	131	122
3 to 4 A.M.	183	13	88	82
4 to 5 A.M.	118	2	64	52
5 to 6 A.M.	95	4	49	42
6 to 7 A.M.	123	8	64	51
7 to 8 A.M.	239	8	137	94
8 to 9 A.M.	393	17	226	150
9 to 10 A.M.	349	20	187	142
10 to 11 A.M.	501	19	289	193
11 to 12 A.M.	628	20	390	218
12 to 1 P.M.	659	24	441	194
1 to 2 P.M.	596	14	360	222
2 to 3 P.M.	692	22	410	260
3 to 4 P.M.	729	20	453	256
4 to 5 P.M.	974	38	641	295
5 to 6 P.M.	1148	51	767	330
6 to 7 P.M.	967	39	661	267
7 to 8 P.M.	972	54	651	267
8 to 9 P.M.	917	45	604	268
9 to 10 P.M.	711	27	439	245
10 to 11 P.M.	689	37	420	232
11 to 12 P.M.	688	25	435	228
Not stated	71	3	48	20
TOTALS	13710	573	8506	4631

3. DAY OF OCCURRENCE

3. Day of Occurrence	Number of Accidents: Total	Fatal	Personal Injury	Property Damage Only
1. Sunday	2190	87	1288	815
2. Monday	1714	73	1065	576
3. Tuesday	1670	74	1019	577
4. Wednesday	1666	76	1062	528
5. Thursday	1747	79	1067	601
6. Friday	1932	73	1230	629
7. Saturday	2791	111	1775	905
8. Not stated				
TOTALS	13710	573	8506	4631

4. THE DRIVER

4. The Driver	Number of Drivers: Total	In Fatal Accidents	In Personal Injury Accidents	In Prop'rty Damage Accidents
SEX				
1. Male	18618	646	10500	7472
2. Female	1175	28	728	419
AGE				
1. Under 18 years	408	15	220	173
2. 18 to 24 years	4552	162	2510	1880
3. 25 to 40 years	8745	301	4927	3517
4. 41 to 54 years	4177	112	2483	1582
5. 55 to 64 years	1279	57	726	496
6. 65 years and over	449	23	264	162
7. Not stated	183	4	98	81
DRIVING EXPERIENCE				
1. Less than 3 months	216	12	117	87
2. 3 to 6 months	135	3	75	57
3. 6 to 12 months	157	5	98	54
4. 1 to 4 years	3411	96	1939	1376
5. 5 years and over	14893	443	8464	5986
6. Not stated	981	115	535	331
CONDITION				
1. Intoxicated	269	13	140	116
2. Physical defect	102	5	70	27
3. Extreme fatigue	196	5	104	87
4. Normal	19226	651	10914	7661
LICENSE				
1. Licensed	19268	638	10928	7702
2. Unlicensed	472	33	275	164
3. Not stated	53	3	25	25
Total number of drivers	19793	674	11228	7891
MISCELLANEOUS				
1. Hit and run	106	9	68	29
2. Hit and run apprehended	160	11	86	63
3. Arrested or summoned	3018	117	1670	1231
4. Non-residents arrested	207	7	117	83
Totals	3491	144	1941	1406

5. RESIDENCE OF DRIVER

5. Residence of Driver	Number of Drivers: Total	In Fatal Accidents	In Personal Injury Accidents	In Prop'rty Damage Accidents
1. Ontario	18647	623	10587	7437
2. Quebec	191	9	103	79
3. Other provinces	63	2	36	25
4. Michigan	364	18	196	150
5. Ohio	52		33	19
6. New York	256	15	137	104
7. Illinois	39	1	23	15
8. Massachusetts	11		6	5
9. Pennsylvania	38		26	12
10. Other states	131	6	81	44
11. All others	1			1
Totals	19793	674	11228	7891

6. ACTION OF DRIVER

6. Action of Driver	Total	In Fatal Accidents	In Personal Injury Accidents	In Prop'rty Damage Only Accidents
1. Speed too fast for road or traffic conditions	1309	69	661	579
2. On wrong side of road	1238	53	599	586
3. Did not have right of way	979	25	545	409
4. Cutting in	85	3	50	32
5. Passing standing street car	33	1	31	1
6. Passing on curve or hill	55	1	31	23
7. Passing on wrong side	18	1	8	9
8. Failed to signal	211	1	92	118
9. Car ran away—no driver	38	3	14	21
10. Drove off roadway	985	66	530	389
Totals	4951	223	2561	2167

7. DIRECTION OF TRAVEL

7. Direction of Travel	Number of Vehicles: Total	Fatal	Personal Injury	Property Damage Only
1. Going straight	15555	605	8923	6027
2. Turning right	510	13	299	198
3. Turning left	1834	26	1076	732
4. Backing	222	8	147	67
5. Parked or standing still	1221	16	600	605
6. Slowing down or stopping	556	6	276	274
7. Skidding	732	18	289	425
Totals	20630	692	11610	8328

8. AMOUNT OF PROPERTY DAMAGE

$1,860,264.

9. THE VEHICLE

9. The Vehicle	Number of Vehicles: Total	In Fatal Accidents	In Personal Injury Accidents	In Prop'rty Damage Accidents
TYPE				
1. Passenger car	16788	530	9668	6590
2. Commercial vehicle	3202	136	1535	1531
3. Taxicab	208	6	101	101
4. Bus	119	7	54	58
5. Motorcycle	236	9	224	3
6. Trailer	39	2	13	24
7. All others	29	1	11	17
8. Not stated	9	1	4	4
Totals	20630	692	11610	8328
CONDITION				
1. In apparent good condition	19456	632	10929	7895
2. Brakes defective	336	22	219	95
3. Steering mechanism defective	101	2	54	45
4. Glaring headlights	67		33	34
5. One or both headlights out	74	7	42	25
6. Tail-light out or obscured	51	4	23	24
7. No chain (wet or icy road)	1			1
8. Other defects in equipment	174	7	83	84
9. Puncture or blow-out	214	10	122	82
10. Not stated	156	8	105	43
Totals	20630	692	11610	8328
BRAKES				
1. Two-wheel	786	38	558	190
2. Four-wheel	19637	647	10919	8071
3. Not stated	207	7	133	67
Totals	20630	692	11610	8328
TIRES				
1. Pneumatic (high pressure)	881	39	438	404
2. Semi-balloon or balloon	19533	645	11035	7853
3. Solid rubber	11	1	5	5
4. Not stated	205	7	132	66
Totals	20630	692	11610	8328
INSURANCE				
1. Insured	12143	350	6524	5269
2. Un-insured	7044	238	4277	2529
3. Not stated	1443	104	809	530
Totals	20630	692	11610	8328

10. Weather Conditions

10. Weather Conditions	Number of Accidents: Total	Fatal	Personal Injury	Property Damage Only
1. Clear	9540	417	6090	3033
2. Cloudy	1888	82	1136	670
3. Fog	180	10	92	78
4. Rain	1325	43	811	471
5. Snow or Sleet.	777	21	377	379
6. Not stated				
Totals	13710	573	8506	4631

11. Light Conditions

11. Light Conditions	Number of Accidents: Total	Fatal	Personal Injury	Property Damage Only
1. Daylight	7507	268	4727	2512
2. Dusk	500	20	327	153
3. Dark	5699	285	3450	1964
4. Not stated	4		2	2
Totals	13710	573	8506	4631

12. THE PEDESTRIAN

12. The Pedestrian	No. Accidents: Fatal	Non-Fatal
ACTIONS		
Crossing at street intersections:		
1. (a) With signal	1	95
2. (b) Against signal	1	110
3. (c) No signal	43	600
4. (d) Diagonally	4	34
5. Crossing between intersections	42	586
6. Waiting for or getting on or off street car		50
7. Standing in safety zone		3
8. Getting on or off other vehicle	1	13
9. Children playing in street	29	482
10. At work in roadway	9	72
11. Riding or hitching on vehicle	5	38
12. Walking on highway	46	92
13. Coming from behind parked vehicle or object	20	536
14. Crossing highway	48	174
15. On sidewalk	5	67
CONDITION		
1. Intoxicated	11	94
2. Physical defect.	10	63
3. Confused by traffic	25	308
4. View obstructed	23	419
5. Normal	185	2068
Totals	254	2952

13. CLASSIFICATION OF VICTIMS

13. Classification of Victims	Killed	Injured
1. Drivers	125	2375
2. Passengers	206	4483
3. Pedestrians	261	3171
4. Others — (Persons in horse-drawn vehicles, etc.)	4	121
5. Bicyclists	48	1303
6. Motorcycle drivers	8	155
7. Motorcycle passengers		30
Totals	652	11638

14. NATURE OF INJURIES

14. Nature of Injuries	Fatal	Non-Fatal
1. Fractured skull	410	260
2. Fractured spine	38	38
3. Other fractures	50	1720
4. Concussion of brain	8	289
5. Severe general shock with bruises and cuts	12	4595
6. Slight shock and shake up		3052
7. Internal injuries	112	160
8. Other injuries (sprains, dislocations, wrenches, etc.)		474
9. Cuts by glass (only)	1	1045
10. Drowned	16	
11. Burned	5	5
12. Asphyxiated.		
13. Not stated		
Totals	652	11638

15. THE ROAD

15. The Road	Number of Accidents: Total	Fatal	Personal Injury	Property Damage only
LOCATION				
1. Street intersection	4271	88	2849	1334
2. Between street intersections	3005	84	2309	612
3. Rural intersection	950	48	549	353
4. Straight road	3138	214	1648	1276
5. Private driveway	511	14	270	227
6. Curve	914	44	441	429
7. Hill	618	37	281	300
8. R. R. crossing (a) Man on duty or gates	10	2	6	2
9. R.R. Crossing (b) Automatic signal	22	7	7	8
10. R.R. Crossing (c) Unguarded	105	22	53	30
11. Bridge	164	12	92	60
12. On ferry or dock	2	1	1	
Totals	13710	573	8506	4631
TYPE				
1. Earth	167	14	97	56
2. Gravel or crushed stone	1589	109	807	673
3. Paved—hard surface	11954	450	7602	3902
Totals	13710	573	8506	4631
SURFACE				
1. Dry surface	8945	443	5879	2623
2. Wet surface	2158	75	1341	742
3. Muddy surface	24	1	11	12
4. Snowy surface	896	21	446	429
5. Icy surface	1687	33	829	825
6. Not stated				
Totals	13710	573	8506	4631
CONDITION				
1. In good condition	13578	563	8433	4582
2. Defect in roadway	72	3	40	29
3. Road under repair	54	6	30	18
4. Obstruction not lighted.	6	1	3	2
Totals	13710	573	8506	4631

J. P. BICKELL,
Registrar of Motor Vehicles.

ANNUAL REPORT
OF
THE COMMISSIONER
OF THE
ONTARIO PROVINCIAL POLICE

FROM

JANUARY 1st, 1940 TO DECEMBER 31st, 1940

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO
SESSIONAL PAPER No. 34, 1941

ONTARIO

TORONTO
Printed and Published by T. E. Bowman, Printer to the King's Most Excellent Majesty
1941

To His Honour Albert Matthews, Esq.,
Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

The undersigned has the honour to present to Your Honour the Report of The Commissioner of the Ontario Provincial Police covering the period January 1st, 1940, to December 31st, 1940.

Respectfully submitted,

G. D. CONANT,
Attorney-General.

Attorney-General's Department.

ONTARIO PROVINCIAL POLICE

Commissioner
W. H. Stringer

Deputy Commissioner
H. S. McCready

Criminal Investigation Branch
A. H. Ward, Senior Inspector

Inspectors

E. C. Gurnett
H. Noakes
W. J. Franks (Prov. Const.)
E. D. L. Hammond
A. S. Wilson
G. Mackay (C.A.S.F.)
W. H. Lougheed
A. H. Palmer
E. Wright (Prov. Const.)

Senior Staff Inspector
W. C. Killing

Staff Inspectors
E. T. Doyle
A. Moss

Liquor Control Investigation Branch
F. E. Elliott, *Chief Inspector*

District Inspectors

No. 1	District,	Windsor	District Inspector	P. Walter
No. 2	"	London	" "	C. A. Jordan
No. 3	"	Hamilton	" "	A. R. Knight
No. 4	"	Niagara Falls	" "	C. F. Airey, M.S.M.
No. 5	"	Toronto	Act. District Inspector	E. Hand
No. 6	"	Kitchener	" " "	W. C. Oliver
No. 7	"	Barrie	District Inspector,	R. Cox
No. 8	"	Belleville	" "	F. Gardner
No. 9	"	Perth	" "	T. W. Cousans
No. 10	"	Haileybury	" "	S. Oliver
No. 11	"	Sudbury	" "	P. T. Hake
No. 12	"	Port Arthur	" "	W. G. Ingram

In Memoriam

Provincial Constable A. J. Ferguson, Motorcycle Patrol, Hawkesbury Detachment.

Appointed 12–7–30. Died May 13th, 1940, from injuries received when thrown from his motorcycle whilst patrolling Highway No. 34, Vankleek Hill.

Provincial Constable N. R. Gardner, Motorcycle Patrol, Dunnville Detachment.

Appointed 12–7–30. Died June 17th, 1940, in the Dunnville Hospital after a serious illness.

Provincial Constable H. H. Dent, Rockland Detachment.

Appointed 25–1–31. Died June 20th, 1940, at Navan Railroad Station as a result of being shot by one John Miki, whose suspicious movements he was investigating.

Provincial Constable D. L. Pickell, Motorcycle Patrol, Mimico Detachment.

Appointed 1–4–40. Died July 2nd, 1940, at St. Joseph's Hospital, Toronto, from injuries received when thrown from his motorcycle whilst patrolling the Queen Elizabeth Way.

Provincial Constable P. C. McCoy, Goderich Detachment.

Appointed 8–10–23. Died July 10th, 1940, at the General Hospital, Goderich, from complications resulting from an attack of Typhoid Fever.

Report of the Commissioner of Police for Ontario

From January 1st, 1940, to December 31st, 1940

ONTARIO PROVINCIAL POLICE,
Headquarters, Toronto.

THE HONOURABLE THE ATTORNEY-GENERAL,
Parliament Buildings, Toronto, Ontario.

SIR:

I have the honour to submit herewith my report covering the activities of the Ontario Provincial Police together with statistical data for the period January 1st to December 31st, 1940.

The continuation of hostilities between the British Empire and Germany with the inclusion of Italy necessitated considerable augmentation of the Force for protective measures by the appointment of auxiliaries with corresponding increase of duties imposed upon all ranks of the Force.

The highly creditable manner in which the citizens of the Province have come forward to collaborate with the Force in the formation of protective bodies is most praiseworthy.

The following voluntary auxiliary bodies affiliated with this Force have been formed and are functioning in an excellent manner.

The Volunteer Civil Guards with a strength of approximately 40,000.
The Ontario Volunteer Constabulary.
The Mobile Column, A.R.P.

Occurrences reported to and investigated by the Force compare favourably with former years, there being a slight decrease in both major and minor offences.

The Force has been active to restrain gambling places and houses of ill-fame where the responsibility of law enforcement was ours.

When complaints were received regarding gambling in municipalities that had a properly organized police force, such complaints were forwarded to the authorities of the municipality concerned with the intimation that if assistance were required to deal with the matter such assistance would be given by the members of this Force.

Very extensive efforts have been made during the year by means of radio, the press, public speakers and other methods, in an earnest endeavour to lessen the alarming number of fatal accidents on highways throughout the Province.

There is some evidence that the continued intensified efforts are having good effects.

I have personally visited and inspected the Headquarters of all twelve districts during the year.

At each District Headquarters the members of the Force were addressed collectively and individually and inspection made of uniform, office equipment and automobiles.

I also conferred with Crown Attorneys, Magistrates and the local Police Officials regarding matters affecting law enforcement and found a general spirit of co-operation and good-will combined with confidence in the work of members of the Force.

Staff Inspectors have also periodically visited District Headquarters and Detachments advising and instructing the personnel in matters affecting the Force.

Data relating to the general activity of the Force will be found in the reports submitted by District Inspectors and the Officer-in-charge of the various Branches and Auxiliaries under sub-heads of this Report or on file in my office.

Strength and Distribution of the Force, December 31st, 1940

	General Headquarters	Crim. Invest. Branch	L.C.I. Branch	Headquarters Garage	No. 1 District	No. 2 District	No. 3 District	No. 4 District	No. 5 District	No. 6 District	No. 7 District	No. 8 District	No. 9 District	No. 10 District	No. 11 District	No. 12 District	Total Strength
Commissioner	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Deputy Commissioner	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Staff Inspectors	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3
Accountant	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Inspectors, C.I.B	..	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8
Chief Inspector, L.C.I.B.	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1
District Inspectors	..	..	..	..	1	1	1	1	1	..	1	1	1	1	1	1	11
Acting District Inspectors	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	2
Sergeants	..	..	..	..	1	1	1	1	1	1	1	1	2	2	1	2	15
Patrol Sergeants, M.C.P.	..	..	..	..	..	1	1	..	1	..	..	1	1	..	..	..	5
Acting Sergeants	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1
Corporals	..	..	..	..	..	1	..	..	..	..	1	..	..	2	..	..	4
Provincial Constables	4	2	..	..	13	13	12	10	19	14	14	15	18	21	12	21	188
Prov. Constables, N.M.C.P.	..	..	..	..	..	..	..	..	..	..	2	..	..	2	3	..	7
Prov. Constables, M.C.P.	2	..	..	..	12	13	15	9	18	11	7	12	16	..	..	..	115
Inspector of Automobiles	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1
Acting Inspector of Autos.	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1
Chauffeurs	..	..	..	4	..	..	1	1	..	..	1	..	1	..	1	1	10
Secretary	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Clerks	10	1	2	..	1	1	1	1	1	1	1	1	1	1	1	1	25
TOTALS	22	12	3	6	28	31	32	23	43	28	28	31	40	29	19	26	401
Special Branch (Anti-Sab.)	..	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	9
Special Constables	18	..	..	..	13	7	10	16	33	10	11	6	6	13	12	17	172
Veteran Guards	..	..	..	..	4	2	8	..	53	..	..	..	16	14	10	17	124
GRAND TOTALS	40	21	3	6	45	40	50	39	129	38	39	37	62	56	41	60	706

DISTRIBUTION OF MOTOR VEHICULAR EQUIPMENT

	Head-quarters	Districts												Total
		1	2	3	4	5	6	7	8	9	10	11	12	
Automobiles in Use by Regular Force........	12	4	3	2	6	2	5	4	2	3	8	4	7	62
Highway Patrol Cars...	..	..	1	1	..	1	..	..	1	1	..	..	..	5
Station Wagons........	2	..	..	..	..	..	..	..	..	..	..	..	..	2
Motorcycles...........	1	..	..	..	..	..	..	3	..	..	2	2	..	8

For purposes of administration the Province is divided into twelve Districts numbered consecutively one to twelve as follows:—

No. 1 District, Headquarters Windsor—
comprising the Counties of Essex and Kent.

No. 2 District, Headquarters London—
comprising the Counties of Lambton, Middlesex, Elgin and Oxford.

No. 3 District, Headquarters Hamilton—
comprising the Counties of Wentworth, Halton, Brant and Norfolk.

No. 4 District, Headquarters Niagara Falls—
comprising the Counties of Haldimand, Lincoln and Welland.

No. 5 District, Headquarters Toronto—
comprising the Counties of York, Peel and Ontario.

No. 6 District, Headquarters Kitchener—
comprising the Counties of Bruce, Perth, Grey, Wellington, Waterloo and Huron.

No. 7 District, Headquarters Barrie—
comprising the Counties of Simcoe and Dufferin, and the Districts of Muskoka and Parry Sound.

No. 8 District, Headquarters Belleville—
comprising the Counties of Victoria, Haliburton, Peterborough, Northumberland and Durham, Hastings, Lennox and Addington, Prince Edward and Frontenac.

No. 9 District, Headquarters Perth—
comprising the Counties of Renfrew, Lanark, Dundas, Carleton, Grenville, Russell, Prescott, Stormont, Glengarry and Leeds.

No. 10 District, Headquarters Haileybury—
comprising the Districts of Temiskaming, Cochrane, Nipissing and a portion of Algoma.

No. 11 District, Headquarters Sudbury—
comprising the Districts of Sudbury, Manitoulin Island and a portion of Algoma.

No. 12 District, Headquarters Port Arthur—
comprising the Districts of Kenora, Rainy River, Thunder Bay and Patricia.

LOCATION OF MEMBERS OF FORCE

Station or Detachment	Officers	Sergeants	Prov. Constables	Prov. Constables M.C.P.	Chauffeurs and Clerks
Headquarters:					
Toronto......................	15	....	5	....	23

LOCATION OF MEMBERS OF FORCE—Continued

Station or Detachment	Officers	Sergeants	Corporals	Prov. Constables	Prov. Constables M.C.P.	Chauffeurs snd Clerks
No. 1 District:						
Windsor Hqrs.	1	1		6	2	1
Amherstburg				1		
Leamington				1	1	
Belle River				1	2	
Sandwich					1	
Kingsville				1	1	
Blenheim					1	
Ridgetown					1	
Dresden					1	
Wallaceburg				1	1	
Chatham				2	1	
Tilbury				1	1	
No. 2 District:						
London Hqrs.	1	2		3	2	1
Glencoe				1		
Strathroy				2	1	
Exeter					1	
Sarnia				2	1	
St. Thomas			1	3	1	
Woodstock				1	1	
Ingersoll					1	
Lucan					1	
Lambeth					1	
Forest				1	1	
Iona					1	
Wardsville					1	
Tillsonburg				1	1	
Petrolia				1		
No. 3 District:						
Hamilton Hqrs.	1	2		7	1	2
Brantford			1	2	2	
Simcoe				2	1	
Paris					1	
Milton				2		
Waterdown					1	
Dundas					1	
Oakville					3	
Burlington					2	
Delhi				1		
Stoney Creek					3	
St. George					1	
No. 4 District:						
Niagara Falls Hqrs.	1	1		7	4	3
Ridgeway				1	1	
Fort Erie				1		
Welland				3	2	
Cayuga				2	1	
St. Catharines				3	1	
Grimsby				1		
Beamsville					1	
Caledonia					1	
Fonthill					1	
No. 5 District:						
Toronto Hqrs.	1	3		17	2	1
Brampton				1	1	
Cooksville					1	
Oshawa				1		
Beaverton				1		
Pickering					1	

LOCATION OF MEMBERS OF FORCE—Continued

Station or Detachment	Officers	Sergeants	Corporals	Prov. Constables	Prov. Constables M.C.P.	Chauffeurs and Clerks
Mimico					2	
Bolton				1		
Whitby				1		
Highland Creek					1	
Aurora					1	
Richmond Hill					1	
Islington					2	
Port Credit					2	
Birch Cliff					2	
Willowdale					2	
Scarboro Bluffs					1	
No. 6 District:						
Kitchener Hqrs		2		4	3	1
Walkerton				1	1	
Wiarton				1		
Goderich				2	1	
Stratford				1	1	
Listowel				1		
Guelph				1		
Puslinch					1	
Flesherton				1		
Owen Sound				1	1	
Mitchell					1	
Arthur				1	1	
Galt				1		
Clinton					1	
No. 7 District:						
Barrie Hqrs	1	1		5	2	2
Alliston				2		
Port Carling				1		
Midland				1	1	
Orillia				1	1	
Collingwood				1	1	
Orangeville				1		
Bracebridge				1		
Huntsville				1		
Gravenhurst				2		
Parry Sound			1	3		
Burk's Falls				1		
Bradford					1	
Elmvale				1		
Bala				1		
Powassan				1		
Shelburne					1	
No. 8 District:						
Belleville Hqrs	1	2		3	4	1
Madoc				1		
Lindsay				2	1	
Minden				1		
Peterborough				1	1	
Cobourg				2		
Bowmanville				1	1	
Campbellford				1		
Napanee				1	1	
Colborne					1	
Kingston				1	2	
Sharbot Lake				1		
Port Hope					1	
Bancroft				1		
Havelock				1		

LOCATION OF MEMBERS OF FORCE—Continued

Station or Detachment	Officers	Sergeants	Corporals	Prov. Con-tables	Prov. Con-stables M.C.P.	Chauf-feurs and Clerks
No. 9 District:						
Perth Hqrs.	1	2		5	1	2
Cumberland					1	
Rockland				1		
Cornwall				1	1	
Morrisburg				1	1	
Renfrew				1	1	
Pembroke				1	1	
Smith's Falls					1	
Ottawa		1		3	1	
Brockville				1	1	
Prescott				1	1	
Hawkesbury				1	1	
L'Orignal				1		
Alexandria				1		
Arnprior					1	
Kemptville					1	
Gananoque				1	1	
Britannia Heights					1	
Barry's Bay					1	
Toledo					1	
Carleton Place					1	
Manotick					1	
Elgin					1	
No. 10 District:						
Haileybury Hqrs.	1	2		3		1
Haileybury (N.M.C.P.)				1		
Cobalt				1		
Iroquois Falls				1		
Matheson				1		
Elk Lake				1		
Timmins		1		3		
Kirkland Lake			1	2		
Larder Lake				2		
Kapuskasing				2		
Englehart				1		
North Bay			1	3		
North Bay (N.M.C.P.)				1		
Sturgeon Falls				1		
Mattawa				1		
Temagami				1		
Cochrane				2		
Hearst				1		
Schumacher				2		
Iroquois Falls				1		
No. 11 District:						
Sudbury Hqrs.	1	1		5		1
Sudbury (N.M.C.P.)				1		
Warren				1		
Foleyet				1		
Capreol				1		
Little Current				1		
Sault Ste. Marie				3		
Blind River				1		
Chapleau				1		
Bruce Mines				1		
Wawa				1		
Gogama				1		
Espanola				1		
Massey				1		

Location of Members of Force—Continued

Station or Detachment	Officers	Sergeants	Corporals	Prov. Constables	Prov. Constables M.C.P.	Chauffeurs and Clerks
No. 12 District:						
Port Arthur Hqrs.	1	1	....	5	....	2
Fort William	....	....	....	2	....	....
Nipigon	....	....	....	1	....	....
Hudson	....	....	....	1	....	....
Nakina	....	....	....	1	....	....
Kenora	....	1	....	3	....	....
Sioux Lookout	....	....	....	1	....	....
Dryden	....	....	....	1	....	....
Minaki	....	....	....	1	....	....
Fort Frances	....	....	....	2	....	....
Rainey River	....	....	....	1	....	....
Red Lake	....	....	....	2	....	....
Pickle Lake	....	....	....	1	....	....
Geraldton	....	....	....	1	....	....
Beardmore	....	....	....	1	....	....
Uchi Lake	....	....	....	1	....	....
Emo	....	....	....	1	....	....
Favourable Lake	....	....	....	1	....	....

CHANGE IN PERSONNEL

On May 21st, 1940, Herbert S. McCready, ex-Sergeant of Detectives, Toronto Police Department, was appointed Deputy Commissioner of Police for Ontario.

Acting Chief Inspector A. B. Boyd of the Criminal Investigation Branch was retired on superannuation June 1st, 1940. Inspector Boyd had been a member of the Force attached to the Criminal Investigation Branch for upward of thirty years during which period he had given to the Province faithful and efficient service.

By Order-in-Council dated February 29th, 1940, District Inspector W. T. Moore was retired on superannuation by reason of physical disability (impairment of sight). Inspector Moore was an able administrator and left behind him an enviable record of efficiency during his connection with the Force.

During the period January 1st to December 31st, 1940, the following appointments to and retirements from the Force became effective:—

Appointments

Deputy Commissioner	1
Provincial Constables	3
(Two of the above were promotions—one clerk and one chauffeur.)	
Provincial Constables, Motorcycle Patrol	20
Total	24

Retirements

Superannuated—Acting Chief Inspector, Criminal Investigation Branch	1
District Inspector	1

RESIGNATIONS

Area Inspectors—Motorcycle Patrol	1
Sergeants	2
Provincial Constables	4
Chauffeurs	1
DISMISSALS	
Provincial Constables	6
Provincial Constables—Motorcycle Patrol	5
Chauffeurs	1
DEATHS	
Provincial Constables	2
Provincial Constables—Motorcycle Patrol	3
Total	27

MEMBERS OF THE FORCE "KILLED ON DUTY"

Provincial Constable A. J. Ferguson, Motorcycle Patrol, Hawkesbury Detachment

On May 23rd, 1940, whilst Provincial Constable A. J. Ferguson of the Motorcycle Patrol was patrolling King's Highway Number 34, near Vankleek Hill, he collided with the rear of an automobile and was thrown heavily from his motorcycle, receiving serious injuries from which he died the same day.

Provincial Constable Ferguson was an excellent patrol officer doing difficult work in a praiseworthy manner. He gained and held the respect of the community in which he worked and his death was a distinct loss to the Force.

Provincial Constable H. H. Dent, Rockland Detachment

On June 20th, 1940, Provincial Constable H. H. Dent of Rockland was shot and killed at Navan Station by a foreigner whose suspicious actions he was investigating.

A short time later the murderer (whose fingerprints identified him as John Miki, a Finlander of Montreal) was shot and killed by Acting Sergeant A. Stringer of Timmins who was spending his Annual Leave at Navan and responded to the alarm. Sergeant Stringer, as soon as possessed of the facts, took the revolver from his dying comrade and courageously pursued the murderer into the adjacent bush. The murderer, who was armed with a .45 calibre Colt automatic pistol, fired three shots at close range at Sergeant Stringer without effect and was shot and killed by one shot fired by Stringer from Constable Dent's revolver.

All Provincial Constable Dent's service with the Force had been spent at his original post, Rockland, where he was held in the highest esteem, not only locally but throughout the whole County of Russell. The spontaneous expressions of sympathy from all sections of the public and members of the several Police Forces he came into contact with, coupled with the striking tribute to his sterling worth voiced by his minister at the funeral, left no doubt as to the value of Constable Dent as a law enforcement officer.

Provincial Constable D. L. Pickell, Motorcycle Patrol, Mimico Detachment

On July 2nd, 1940, whilst Provincial Constable D. L. Pickell of the Motorcycle Patrol was patrolling the Queen Elizabeth Way he was thrown from his motorcycle and crashed heavily to the cement roadway. He was given medical attention at the scene of the accident and taken to St. Joseph's Hospital where he died without regaining consciousness.

Provincial Constable Pickell had been appointed less than three months and was still on probation. He was an extremely fine type of man with apparently all the requisites to make a valued member of the Force.

ENLISTMENTS

The following members of the Force have been granted Leave of Absence for War Services:—

Name	Rank	Date of Enlistment	Unit
F. B. Creasy	District Inspector	Mar. 19, 1940	Lieut. 2nd Provost Coy., C.A.S.F.
C. P. McCarthy	Clerk	Sept. 19, 1939	Ont. Tank Regiment, C.A.S.F.
G. Mackay	Inspector, C.I.B.	July 17, 1940	Lieut. 3rd Provost Coy., C.A.S.F.
F. G. Jerome	Area Insp., M.C.P.	Oct. 17, 1939	Fl. Lt. (A.P.M.) R.C.A.F.—Resigned
A. Swan	Clerk	May 6, 1940	Provost Coy., 2nd Div., C.A.S.F.
W. H. Boyd	Insp. of Autos	Nov. 6, 1939	Fl. Lt. (Service Police), R.C.A.F.
I. R. Robbie	Prov. Constable	May 22, 1940	Capt. (O.C. 3rd Provost Coy.), C.A.S.F.
J. W. Callander	Prov. Con., M.C.P.	Oct. 11, 1940	11th Provost Coy., C.A.S.F.
L. C. Carr	Prov. Constable	May 6, 1940	Fl. Officer (A.P.M.), R.C.A.F.
G. V. Clubbe	Prov. Constable	Aug. 7, 1940	Lieut. 4th Provost Coy., C.A.S.F.
J. D. Crosson	Prov. Constable	Aug. 27, 1940	3rd Provost Coy., C.A.S.F.
A. J. Davies	Prov. Con., M.C.P.	June 12, 1940	Lieut. R.C.A.M.C.—Resigned
R. G. France	Prov. Constable	May 11, 1940	Fl. Officer (A.P.M.), R.C.A.F.
W. Gilling	Prov. Constable	May 30, 1940	2nd Provost Coy., C.A.S.F.
J. M. Hackl	Prov. Constable	Nov. 16, 1939	(Service Police), R.C.A.F.
J. M. Hinchliffe	Prov. Con., M.C.P.	Aug. 14, 1940	Lieut. Princess Louise Rifles
G. Hughes	Prov. Constable	Aug. 4, 1940	Cameron Highlanders, C.A.S.F.
R. E. Johnson	Prov. Constable	June 20, 1940	Cpl. 3rd Provost Coy., C.A.S.F.
W. A. Kennedy	Prov. Con., M.C.P.	June 1, 1940	48th Highlanders, C.A.S.F.
A. M. Mason	Prov. Constable	June 20, 1940	F.O. (A.P.M.), R.C.A.F.
A. McColl	Prov. Constable	Sept. 11, 1940	c/o British Admiralty, Trinidad
A. L. Mennie	Prov. Constable	Aug. 3, 1940	47th Field Batt., C.A.S.F.
T. W. Oldfield	Prov. Constable	Oct. 9, 1940	11th Provost Coy., C.A.S.F.
R. E. Raymer	Prov. Constable	June 20, 1940	F.O. (A.P.M.), R.C.A.F.
J. B. Sheff	Prov. Constable	June 7, 1940	Capt. 4th Provost Coy., C.A.S.F.
L. L. Shipley	Prov. Constable	Aug. 7, 1940	Lieut. 4th Provost Coy., C.A.S.F.
W. E. Smith	Prov. Constable	Aug. 5, 1940	Royal Canadian Artillery, C.A.S.F.
A. A. Stark	Prov. Constable	Oct. 9, 1939	Lieut. 154th Battalian
R. J. Taggart	Prov. Constable	Sept. 2, 1940	Lieut. Queen's York Rangers, C.A.S.F.
L. R. Taylor	Prov. Constable	Oct. 14, 1940	R.C.A.F.
S. Ervine	Prov. Con., M.C.P.	July 3, 1940	Lt. Hastings Prince Edw. Regt., C.A.S.F.

CONDUCT AND DISCIPLINE

The conduct and discipline of all ranks has with a few exceptions been excellent, and the members of the Force have shown a commendable spirit of loyalty and efficiency in dealing with all matters brought to their attention.

The value of the work done by members of the Force on detachment duty cannot always be measured by statistical records. There are many problems satisfactorily handled that are not statistically recorded.

COMMENDATIONS

Sixty-one members of the Force were commended in Police Orders during the year for their devotion to duty and the exceptionally efficient and thorough manner they carried out their duties in connection with the matter under investigation or as the case may be.

ARMS AND EQUIPMENT

Since the outbreak of the present war, all members of the Force have been equipped with 12-gauge "riot type" repeating shotguns in addition to their present issue of .38 calibre Colt revolvers.

Every District Headquarters has also been supplied with a quantity of 30.30 calibre Winchester carbines and Thompson Sub-Machine guns, and the personnel have been trained in the proper use and care of such weapons.

SERVICE REVOLVER COMPETITION "MARKSMANSHIP"

In the Ontario Section of the Revolver Competition held by the Chief Constables Association of Canada, 1940, the team representing this Force under the expert tuition of their Captain, Sergeant D. H. Darby, Motorcycle Patrol, gave a most excellent account of themselves by winning the trophy.

Table of Scores—Ontario Provincial Police Team

Sergeant D. H. Darby (M.C.P.), No. 3 D.H.Q., Hamilton	393
Prov. Con. J. A. Rowe, No. 5 D.H.Q., Toronto	381
Prov. Con. E. A. Hoath, Fort Erie, No. 4 District	380
Prov. Con. W. B. Elliott, Alliston, No. 7 District	375
Prov. Con. T. W. Oldfield, Listowel, No. 6 District	357
	1,886

Scores of All Ontario Teams Competing

Ontario Provincial Police	1,886 x 2,000
Toronto City Police, Team No. 1	1,878
Village of Forest Hill, Team No. 1	1,875
Toronto City Police, Team No. 2	1,835
Village of Forest Hill, No. 2	1,769
Fort William City Police	1,691
St. Catharines City Police	1,417
Hamilton City Police	1,224

In addition to the Ontario Provincial Police team being first in the Competition, Sergeant D. H. Darby attained the highest individual score for all competitors in Canada.

OFFICE AND CELL ACCOMMODATION

New buildings were erected at the following detachments:—

Favourable Lake, Berens River Mines Detachment, District of Patricia:

A new detachment was opened at Favourable Lake in December, 1939, to provide Police service for the new mining district under development in that area.

At first difficulty was found in locating any place suitable for living quarters or office accommodation and the detachment was given facilities in one of the mine bunkhouses.

Eventually an arrangement was effected with the Berens River Mine Company to construct a building containing living quarters and cell accommodation.

The detachment now occupies suitable quarters with good facilities for a married man in addition to an up-to-date office and cement cells for prisoners.

Gold Park and WaWa Detachments, District of Algoma:

Owing to the closing down of a number of Gold Mines in the Gold Park area and the consequent reduction of population, the building which was put at our disposal, by the mining companies, for use by the Gold Park Detachment as living quarters and Police Office, was sold over our heads.

The detachment was transferred to WaWa where iron deposits were being developed by the Algoma Ores Limited and ovar a thousand persons were resident.

The same problem was presented here, lack of living and office accommodation. To assist in rectifying this, the Helen Iron Mine, as an inducement to keep the detachment at WaWa, constructed (for the use of the member of the Force doing duty there) a frame building on cement foundation containing living quarters, Police Office and cell accommodation.

The building is on the mining company property and is favourably situated about three hundred (300) yards from the Railroad Station on the Algoma Central Railway.

Red Lake Detachment, District of Patricia:

During the summer of 1940 a much needed want was filled by the erection of a building containing Police Office and cells for use by the Red Lake Detachment.

The building is single storied, 12 feet by 24 feet, built on Crown Land on a 60-foot water front, divided into two sections, one for an office and one containing two cells, and was erected by arrangement between the Mining Company and the Department of Public Works, under the supervision of a member of the Force.

The management of four of the six gold mines supplied the labour and the services of a foreman carpenter and the Department of Public Works provided the material for the building. The cells were formerly used in a Police building occupied by members of the Force when a detachment was located at Gold Pines. As Red Lake and surrounding territory developed, Gold Pines was practically abandoned, the building was sold and the detachment and cells transferred to Red Lake.

Until the building was completed, each time an arrest was made the prisoner had to be detained in a hotel room by the officer until he could be taken outside or the Magistrate came in, as the case may be.

Pickle Lake Detachment, District of Patricia:

By arrangement with the management of the Pickle Crow Gold Mines, a suitable building, containing living quarters, Police Office and cells, was erected during the summer of 1940.

In the agreement it was provided that the Province would supply the cells to be erected in the building.

With the co-operation of the Department of Public Works, two cells which were not in use in the basement of the Court House at Kenora were dismantled and shipped, one to Pickle Lake and the other to Uchi Lake, where they were erected in the new building thereby providing safe detention for prisoners until they could be dealt with.

Uchi Lake Detachment, District of Patricia:

Similar arrangements as made with the Pickle Crow Mine Officials were made with the Lake St. Joseph Transportation Company, Limited, to provide for our detachment at Uchi Lake. A building containing suitable living quarters, including Police Office and cell facilities, was erected.

This building was erected during the summer and by agreement the Province supplied the cells in a manner similar to that carried out at Pickle Lake.

The thanks of the Department are due the mining companies who co-operated in supplying living and office facilities at the above detachments, thereby enabling the members of the Force to give more efficient service at these outlying and difficult posts.

CRIMINAL INVESTIGATION BRANCH ACTIVITIES

During the year officers of this Branch investigated nine murder cases, the most of which were domestic, one for gain, the balance being as a result of drinking bouts, with an element of domestic trouble added.

Firearms were the weapons used in nearly all these cases, a butcher-knife was used in one. It cannot be said that any of the murder cases arose from present war conditions, directly or indirectly.

The work of the staff of this Branch has been most satisfactory, and cases, particularly those of a serious nature, have been investigated with a high degree of efficiency, which resulted in conviction in a large majority of cases.

At the beginning of the year, Edward F. Wright, clerk in the office, was appointed a Constable of the Force, attached to the Criminal Investigation Branch, and since that time has been in charge of the photography and finger-print section. His work has been accepted as evidence in many cases throughout the Province, particularly in that of photography. Constable Wright has also assisted and co-operated with other Departments of the Provincial Government in photographing various documents, in which Infra-Red photography system has been used, with great success.

The Anti-Sabotage Squad has operated extensively over the Province, particularly in those centres where industries are engaged in war work, and I am pleased to report that serious cases of sabotage are at a minimum.

I have pleasure in reporting that during the year continued co-operation has been had from the police departments of Canada and the United States in conducting investigations from this office, particularly the Royal Canadian Mounted Police and the Toronto Police; also the police of both railway systems and other municipal police within the Province.

On the 1st of June, Albert B. Boyd, Acting Chief Inspector, who had been a member of the Force for over thirty years, and who had investigated with a large measure of success many major crimes in his time, retired on superannuation. Inspector Boyd had rendered faithful, conscientious and efficient service to the Province.

On May 21st, Herbert S. McCready, formerly Sergeant of Detectives, Toronto Police Department, with which service he had been for twenty-eight years, was appointed Deputy Commissioner, Ontario Provincial Police.

The Deputy Commissioner was also appointed a Magistrate in and for the Province of Ontario, on the 18th of September, 1940.

Also attached are particulars on the formation of the Civilian Defence Committee (A.R.P.) scheme, organized throughout the Province.

CIVILIAN DEFENCE COMMITTEE (A.R.P.)

An Order-in-Council dated September 12th, 1940, reads as follows:—

"Whereas the Federal Government has provided for the appointment of a Civilian Defence Committee (A.R.P.) by Section 33, Subsection 1, of the Defence of Canada Regulations for the better protection of the people of the Province of Ontario against hostile action;

"And Whereas the objects of the said Civilian Defence Committee (A.R.P.) are as follows:

(*a*) To create in the Province of Ontario a volunteer civilian organization to meet emergencies occasioned by war.

(*b*) To protect life and property in Ontario from every form of attack.

(*c*) To assist the civil powers by co-operating with all police and other law enforcement agencies.

(*d*) To combat subversive activities.

(*e*) To assist in fighting fires resulting from sabotage or other acts of war.

(*f*) To instruct the civilian population in emergency services.

(*g*) To co-operate with and assist all Federal and Provincial authorities in the performance of duties relative to the objects of this organization;

"And Whereas by letter dated the 12th day of September, 1940, the Honourable the Prime Minister of Ontario has requested the Honourable Ian Mackenzie, Minister of Pensions and National Health, to appoint the Honourable Gordon D. Conant, Attorney-General for Ontario, as Provincial Chairman of the said Civilian Defence Committee (A.R.P.) for the said Province of Ontario, with power to add such persons as the Chairman may determine, without remuneration, to make effective the said Committee in Ontario.

"And Whereas the Honourable Gordon D. Conant, as Provincial Chairman of the Civilian Defence Committee (A.R.P.) for the Province of Ontario, has appointed the following to the offices set opposite their respective names—

Chairman—Honourable Gordon D. Conant, K.C.
Vice-Chairman—H. S. McCready, Deputy Commissioner, O.P.P.
Secretary—

DIRECTORS

1. Director of Police Services—H. S. McCready, Deputy Commissioner of Ontario Provincial Police.

2. Director of Fire Services—W. J. Scott, Fire Marshal.
3. Director of Medical Services—Dr. B. T. McGhie, Deputy Minister of Health.
4. Director of Public Utility Services—R. A. McAllister, Deputy Minister of Public Works.
5. Director of Transportation—R. M. Smith, Deputy Minister of Highways.

"The Prime Minister, therefore, recommends that the objects of the Civilian Defence Committee (A.R.P.) of the Province of Ontario, and the appointments as above set out, be approved by Your Honour.

"The Committee of Council concur in the recommendation of the Honourable the Prime Minister, and advise that the same be acted on."

Following this, meetings were held to discuss the system to be adopted and it was decided that the plan of organization should follow that established in Great Britain with certain modifications to suit Canadian conditions and varying needs.

After consultation with representatives of the Military Districts 1 and 2, and the Federal A.R.P. Officer, fourteen vulnerable areas were established, and the municipalities included in each area listed. This list was later revised to include a number of municipalities contiguous to those in the original list.

The Councils of these municipalities were furnished with copies of an Organization and Instruction Manual prepared for the purpose of instructing them how to proceed to form local committees.

On Tuesday, November 5th, 1940, the Provincial Committee co-operated with the St. John Ambulance Association and the St. John Ambulance Brigade at a very successful demonstration at the Varsity Arena.

During the week of November 18th-23rd, 1940, a course of instruction in Civilian Defence Organization and Air Raid Precautions was given to a group consisting of members of the Provincial Police, Highways and Health Departments. From this group, fourteen regional officers from the Provincial Police and Highways Departments were appointed, one for each of the regional areas designated. The duties of these officers are to act as a liaison between the provincial and local committees, and to assist in the organization locally.

Consideration has also been directed to additional training which will be given to the members of the various services under this Civilian Defence Committee scheme, viz., Police, Fire, Medical, Public Utility and Transportation, and it is proposed that additional handbooks will be printed for this purpose. These will be printed in sufficient quantity to supply the officials and the instructors in the various services concerned.

The equipment and material which has been provided by the Federal authorities has been allotted on a population basis to the various municipalities.

Up until December 31st, 1940, Civilian Defence Committee units were organized in the following municipalities:

Niagara Falls, Chippawa, Owen Sound, Sarnia, Point Edward, St. Catharines, Windsor, Toronto, East York, Forest Hill, Etobicoke, Port Credit, Swansea, Toronto Township.

SPECIAL BRANCH

At the outbreak of war, a "Special Branch" was created to combat subversive activities and specialize in anti-sabotage and counter-espionage operations. Primarily, the personnel consisted of an Inspector in charge, a clerk-stenographer and four special agents. The Branch has been augmented and now includes an Inspector, two clerk-stenographers and ten special agents, under the direct supervision of the Deputy Commissioner of Police.

Owing to the fact that this was a new Wing of the Criminal Investigation Branch, certain difficulties were to be expected. The nature of the work demanded that the activities of its members be cloaked in secrecy. Investigations since the inauguration have touched upon the activities of some 20,000 persons.

During these investigations, innocent persons were sometimes reported to be members of subversive and outlawed organizations. In order to spare unnecessary embarrassment, all investigations are carried out in a very discreet manner. One of the chief difficulties encountered in making investigations concerning possible subversive acts has been the great reluctance of the majority of persons reporting such cases to give evidence in court.

The Branch co-operates closely with the several other Police organizations in Toronto and adjacent municipalities, also with the divisional headquarters of the Royal Canadian Mounted Police, the Federal Bureau of Investigation at Washington, D.C., Detroit, Buffalo and Albany. In instances where flagrant violations of the Defence of Canada Regulations have been followed by prosecution and conviction, recommendations have been made urging internment for the violators, which have resulted in internment in a number of cases.

Whilst the danger of direct acts of sabotage to industrial plants engaged in the production of essential war supplies, vital lines of communication, power plants, etc., is ever present, an even more dangerous situation has developed during the past few years. Reference is made here, of course, to the foreign "ism" advocates who, protected by guarantees of freedom of speech, assembly and the press under our democratic system, seek to overthrow that system. By means of "boring from within" tactics they have succeeded in working their way into various legitimate organizations and endeavour to control the policies of such organizations.

The following associations, societies, organizations, etc., have been declared to be illegal since the outbreak of war, viz.:—

The Auslands Organization of the National Sozialistische Deutsche Arbeiterpartei;

The Deutsche Arbeitsfront;

The Canadian Society for German Culture (Deutscher Bund Fur Kanada);

The National Unity Party;

The Canadian Union of Fascists;

The Communist Party of Canada;

The Young Communist League of Canada;

The Canadian Labour Defence League;

The League for Peace and Democracy;

The Ukrainian Labour Farmer Temple Association;

The Finnish Organization of Canada;

The Russian Workers and Farmers Club;

The Croatian Cultural Association;

The Hungarian Workers Club;

The Polish People's Association;

The Canadian Ukrainian Youth Federation;

Italian Fascio Abroad (Fasci Italiani All'Estero);

O.V.R.A. Opere Volontarie Repressione, Anti-Fascisto (National Organization for the Repression of Anti-Fascism);

Dopolavoro (After Work Organization);

Associazione Combattenti Italiani (Italian War Veterans' Association);

O.G.I.E. Organizzazioni Giovanili Degli Italiant All'Estero (Italian Youth Organization Abroad);

The Italian United Moral Front;

Technocracy Inc.;

Jehovah's Witnesses;

The Workers and Farmers Publishing Association;

The Road Publishing Company;

The Crotian Publishing Company;

The Polish People's Press;

The Serbian Publishing Association;

The Finnish Society of Toronto.

The spreading of Nazi propaganda is still carried on by word of mouth, by hailing any German success, spreading defeatist propaganda, etc.

Fascist organizations have ceased to exist as organizational subverters, although occasional meetings of former members of such organizations are still held.

The National Unity Party has more or less ceased to be an active factor in spreading subversive propaganda, due to the fact that its leaders have almost all been interned.

The Jehovah's Witnesses sect, more recently banned, is still quite active, but rigid enforcement of the regulations is having the desired effect. Huge quantities of literature have been seized and confiscated.

One of the chief "ism" organizations is the Communist Party of Canada, which following the notable case in Ottawa when Harry and Louis BINDER and Arthur Roy SAUNDERS were convicted of distributing subversive literature, was declared an illegal organization. Its leaders are all either interned or in hiding. Although outlawed, the Communist Party still has a large and active underground membership who are attempting to foment labour trouble in industries engaged in the production of war supplies.

Efforts have been made to enhance the protective facilities of manufacturing plants engaged in the production of war materials to make them impervious to attack from without or within. Known agitators are kept under surveillance as much as possible in order to guard against the fomentation of industrial unrest or any attempts to weaken the morale of workers employed in our war industries.

The Communist Party has also attempted in recent months to rouse a spirit of resentment amongst the youth of the country who are called up for their period of military training. Literature has been distributed in the military training camps, colleges and schools, calling on the youth to organize and fight the present system of Government.

Careful examination has been made of a large number of periodical foreign language publications, as well as those published in the English language, for subsersive material. Since the outbreak of war a number of publications have been declared illegal and banned. Some of the most important of these publications were, viz.:—

THE CLARION
GLOS PRACY
KANADSKY GUDOK
JISKRA
NORODNA GAZETA
PRAVDA
THE ROAD (DER VAG)
SLOBODNA MISAO

An extensive card index file is maintained which contains the names of all persons suspected of possible subversive activities, members of outlawed organizations, and all persons convicted under the Defence of Canada Regulations or the National Registration Regulations.

WAR EMERGENCY MEASURES

Commencing in April, 1939, a survey was made by members of this Force in collaboration with officials of the Hydro-Electric Power Commission for the purpose of preparing a plan by which adequate protection for vulnerable Hydro-Electric plants and other vital industries would be provided to prevent sabotage or destruction in the event of war.

When it because apparent that war was imminent the plan was put into effect, and on August 28th, 1939, the first guards were appointed.

By arrangement with the National Veterans' Security Committee a number of ex-service men were selected and sworn as Special Constables, prepared for duty when and where required.

The policy adopted was for the headquarters of the Veterans' Committee, Toronto, to communicate with their various representatives throughout the Province to provide the men required; they would then be selected, examined and appointed locally.

This policy worked very satisfactory and there was no complaint of men being sent to other districts from Toronto.

As the plan developed a committee was formed to direct and advise, consisting of members of the Attorney-General's Department, Hydro officials, Veterans' Security Committee and members of this Force.

An agreement was drafted containing the conditions of service which each man employed was required to sign in addition to taking the Oath of Allegiance and Office of Special Constable for the Province of Ontario.

A standard of height and age was set, and all applicants medically examined by officers of the Department of Health. Insurance and accident coverage was arranged, and members of the Regular Force were made responsible for the training and supervision of the men.

This protective Force was designated as the "Veterans' Guard," Ontario Provincial Police, issued with uniforms and armed with 12-gauge "Riot" Type repeating shotguns.

When the guards were posted particular attention was paid to the Niagara Falls area including the Queenston Plant, where barbed wire fences, barricades and other entanglements were erected, in addition to floodlights, sentry boxes and telephone connections.

A standard barbed wire barricade and fence was developed and approved, and photographs and blue prints were supplied to such plants as wished to enclose their premises with protective devices of this type.

After the guarding had been in effect some weeks, a tour of inspections of areas guarded was made and it was found that in many cases the personnel could be decreased which was done wherever recommended by the Attorney-General or Hydro Officials.

District Inspectors were given complete control of all guards in their respective Districts with authority to engage or dismiss as the occasion warranted. Appointments were made on a monthly basis terminable at any time on a week's notice, a guard, however, being instantly dismissed for cause such as misconduct, neglect of duty, absent without leave, etc.

The R.C.M.P. assumed the responsibility for guarding the Niagara Falls area in November, 1939, but these arrangements proved unsatisfactory and the Ontario Provincial Police again took over the guarding on November 20th, 1939.

As a result of repeated representation made by the Government of Ontario regarding the imperative need for a military guard in the Niagara area, the Department of National Defence eventually became responsible for this protection.

The transfer of responsibility to the Department of National Defence commenced June 1st and was completed by August 9th, 1940, thereby releasing a number of guards whose services were dispensed with as the work was taken over.

When guarding was first undertaken, the following properties of the Hydro Power Commission were protected:—

Essex Transformer Station
Chatham Transformer Station
Strachan Transformer Station
York Transformer Station
Cooksville Transformer Station
Woodstock Transformer Station
London Transformer Station
Brant Transformer Station
Bartonville Transformer Station
Stirton Transformer Station
Hamilton Transformer Station
Dundas Transformer Station
Delhi Transformer Station
Queenston Plant and Canal
Ontario Power and Toronto Power Generating Station. Protection, and pipe lines, etc., in park below bank.
Canadian Niagara Transformer Station
Toronto Power Transformer Station
Niagara Transformer Station
Ontario Power Control Room and Transformer Station
Welland Canal Crossings
Thorold Transformer Station
Decew Generating Station
Welland Transformer Station
Ranney Falls No. 10 Generating Station
Meyersbury Generating Station
Sidney Generating Station
Seymour Generating Station
Frederickhouse Dam
Peterborough
Kingston (Frontenac) Transformer Station
Island Falls Dam
Smooth Rock Falls
Coniston Generating Station
Stinson Generating Station
McVittie Generating Station
Cornwall Transformer Station
Calabogie Generating Station
High Falls Generating Station
Fort William Transformer Station
Abitibi Canyon Generating Station
Abitibi Dam
Timmins Transformer Station
Kirkland Lake Transformer Station
Crystal Falls Generating Station
Leaside Transformer Station
Bridgeman Transformer Station
Wiltshire Transformer Station
St. Clair Transformer Station
St. Thomas Transformer Station
Oshawa No. 1 Transformer Station
Oshawa No. 2 Transformer Station
Guelph Transformer Station
Preston Transformer Station
Kitchener Transformer Station
Eugenia Falls Generating Station
Hanover Frequency Changer Station
Stratford Transformer Station
Nipissing Generating Station
Bingham Chute Generating Station
Elliott Chute Generating Station
South Falls Generating Station
Trethewey
Ragged Rapids Generating Station
Big Chute Generating Station
Baysville Headwaters
Hanna Chute Generating Station
Waubaushene
Port Colborne Transformer Station
Welland Canal Crossings
Heley Falls Generating Station and Headworks
Hague's Reach Generating Station
Sills Island and Frankford Generating Station
Abitibi Pulp and Paper Company, Iroquois Falls
Belleville Transformer Station
Lindsay Transformer Station
Ottawa Transformer Station
Ottawa West Crossing
Ottawa Masson W. Crossing
Smith's Falls Transformer Station
Falconbridge Transformer Station
Whanapitae Dam
Chat's Falls Generating Station
Cameron Falls Generating Station
Alexander Generating Station
Long Lac Transformer Station
Bare Point Sub-Station
Virgin Falls Generating Station
New Toronto Transformer Station

The greatest strength of the "Veterans' Guard" at any one time was seven hundred and thirty-seven (737) at the end of November, 1939.

As other protective measures were adopted such as the erection of barricades, flood lights, etc., it became possible to reduce the number of guards. This was done gradually until by the end of April, 1940, the strength was reduced to three hundred and fifty-seven (357).

After the Department of National Defence assumed the guarding of the Niagara area, further considerable reductions were made and at present the "Veteran Guard" numbers only one hundred and twenty-four (124), distributed as follows:—

Essex Transformer Station
St. Clair Transformer Station
Abitibi Dam
Hamilton Transformer Station
Gage Avenue Transformer Station
Whanapitae Dam
Bridgeman Transformer Station
Strachan Transformer Station
New Toronto Transformer Station
Oshawa No. 1 Transformer Station
Chat's Falls Generating Station
Abitibi Canyon Generating Station
Beach Road Transformer Station
Coniston Generating Station
Stinson Generating Station
Leaside Transformer Station
Virgin Falls Generating Station
Alexander Generating Station
Cameron Falls Generating Station
Oshawa No. 2 Transformer Station

Provincial Special Constables on Reserve:

Shortly after war was declared a portion of the Reserve Force of Constables which had been in existence since April, 1937, was called up.

A Training School in charge of Headquarters Officers was opened at 86 Queen's Park Crescent.

The school was fully equipped and a mobile squad under a Sergeant was continuously training and available for emergency duty at all times. This school was discontinued at the end of February, 1940, and the men in training distributed among the Districts throughout the Province.

A number of additional Special Constables were added to the Reserve from time to time to take care of the many extra duties thrust upon the Department by reason of war measures and defence preparedness.

Formation of the Volunteer Civil Guard—an Auxiliary to the Ontario Provincial Police:

The Volunteer Civil Guard was organized in June, 1940, when a memorandum was sent to all municipalities to the effect that the Province of Ontario acting through the Ontario Provincial Police, under the direction of the Attorney-General, was prepared to advise and co-operate with any municipality in the Province desirous of organizing a Volunteer Civil Guard.

This memorandum was the result of many requests made to the Attorney-General by heads of municipalities for guidance in the formation of civil guards.

The number of these groups and the requests for Provincial co-operation increased rapidly.

It was soon realized that these guards were of great moral value and importance in combating subversive and disloyal activities and in the maintenance of law and order, should an emergency arise requiring their services.

At the end of December, 1940, there have been organized 200 civil guard units, with a membership of over 40,000. Many of the officers of these units, at considerable personal sacrifice, have devoted their time, money and talents to the organization and training of their respective units.

While we have not, so far, suffered from any serious sabotage activities, it is believed that the civil guards have had a very salutary effect upon disloyal elements. With the existence and strength of such organization visibly demonstrated in practically every important centre in Ontario, they have made the public conscious of the fact that the citizens are ready, willing and even anxious to deal with any attempted hostile action.

During the past seven months inspections of civil guard units have been carried out by the Attorney-General and Senior Officers of the Ontario Provincial Police in every part of the Province. At these inspections, a blue arm band, lettered in red with the words "Volunteer Civil Guard", and supplied by the Province, was presented to each and every member of the Guard.

At some of the inspections the rank and file turned out in uniforms purchased by themselves and in many instances the units provided their own bands.

Every unit of the Guard has a Commander, assisted by other officers known as Company Commanders. The Commanding Officer of each unit has been sworn in as an honourary member of the Reserve Force of the Ontario Provincial Police.

A syllabus of training has been prepared and distributed to all units, which syllabus covers the objects of the organization, the legal authority, control, equipment, discipline and the various subjects suggested for instruction and training.

The syllabus explains in detail the powers of arrest by private citizens and the additional powers of arrest by a constable, also what amount of force might be used in making arrests, and a copy has been sent to every Commanding Officer of a unit.

THE ONTARIO VOLUNTEER CONSTABULARY

There has been established, as an auxiliary to the Ontario Provincial Police, a voluntary organization known as the "Ontario Volunteer Constabulary".

This organization comprises suitable persons who desire to render service to the Province without pay and who purchase their own uniform and equipment.

The uniform to be worn by the members of the Constabulary with the necessary insignia and rank badges has been officially approved and adopted, and its officers are armed with service revolvers.

The proposed and authorized strength of the Constabulary shall not be over one thousand.

Its objects are to provide a highly trained and disciplined body of men available for the maintenance of law and order, and preservation of internal security, and generally assist the Ontario Provincial Police or other law enforcement bodies if and when they are called upon to do so.

In addition to general extensive police training, this volunteer organization has perfected a Mobile Column for service under the Civilian Defence Committee (A.R.P.) scheme, and is prepared to assist municipal authorities under this scheme in the event of emergencies arising.

REPORT RE FORMATION OF ONTARIO VOLUNTEER CONSTABULARY

Sir:

In accordance with your instructions, I beg to present a brief résumé of the progress made in organizing the Ontario Volunteer Constabulary. The encouragement our Organization has received has been most heartening, and I am confident that we shall reach our proposed strength of one thousand men early in the Summer.

Since the founding of the Ontario Volunteer Constabulary in September, 1940, two hundred and forty-nine recruits have been accepted and placed on strength. An additional fifty men are in the process of enlistment into the various Units throughout the Province.

As stipulated by the Commissioner of Police for Ontario, Ontario Volunteer Constabulary Districts shall be organized to coincide with the twelve established Police Districts of the Ontario Provincial Police. To date, five Districts have been organized and District Headquarters established.

Provincial Headquarters have been established at Toronto and office space supplied to accommodate Orderly Room, Records' Office and Quartermaster's Department.

No. 5 District (Toronto)—Total sworn in strength to date, one hundred and fourteen men. Drill Quarters, Lecture Hall and Orderly Room located in the Parliament Buildings. This Unit is undergoing training in Foot Drill, Musketry Drill, Range Practice and St. John Ambulance Course. A Mobile Column has been organized, and efficiency in the work is rapidly being achieved. Several other centres are in the process of organization within this District.

No. 3 District (Hamilton)—Present strength thirty-nine men all ranks. Orderly Room for this District is located in the Harbour Master's Building. Lecture Hall has been secured, and permanent Drill Quarters are being arranged for. A section of the Mobile Column has been established, and in addition to this work, the Unit is undergoing training in Foot Drill, Musketry, Range Practice, St. John Ambulance and Signalling Courses.

No. 10 District (Haileybury, Timmins)—District Headquarters for Northern Ontario have been established at Timmins. The Timmins' Company has a present strength of fifty-three all ranks. Units are in process of organization at Sudbury, North Bay and Cochrane. The Timmins' Unit have been training extensively in Foot Drill, Musketry, Range Practice, St. John Ambulance Courses, and are, at the present time, receiving a course of lectures on Riot Control. A number of additional applicants will be sworn in within the next few weeks in this District.

No. 8 District (Belleville)—The present strength, twenty-four all ranks with applications being received regularly. Orderly Room, Drill Quarters and Lecture Hall are located in the Belleville Collegiate. A branch of the Mobile Column has been established in Belleville, regular training in this branch being carried out. In addition this Unit is undergoing training in Foot Drill, Range Practice and St. John Ambulance Courses.

No. 6 District (Kitchener)—Present strength, seventeen all ranks with additional applications being considered. This is a new Unit and have received little training.

In addition to the foregoing, Units are in the process of organization in London, Niagara Falls and Windsor. This should be within the next six weeks, at which time a complete report will be forwarded to your Office.

May I, at this time, tender the thanks of the entire Corps to the Officers of the Provincial Police for their untiring efforts in assisting us in our organization and instruction.

I have the honour to be Sir,

Your obedient servant,

(Sgd.) A. Q. C. O'BRIEN,
Superintendent.

MILITARY AID TO CIVIL POWERS

In view of the possibility that it may be necessary to invoke the assistance of the Militia to aid the civil powers in the present emergency, an Order-in-Council was passed by His Excellency the Governor-General in Council on the 7th day of August, 1940, whereby certain Provincial officials may be designated by the Attorney-General to requisition for such aid, as set forth in the following memorandum:

MEMORANDUM RE REQUISITIONING THE SERVICES OF THE ACTIVE MILITIA IN AID OF THE CIVIL POWER

1. By an Order of His Excellency the Governor-General in Council, passed on the 7th day of August, 1940, provision is made for requisitioning the active Militia in aid of the Civil Power by certain Provincial officials who may be designated by the Attorney-General, and for Senior Police officials functioning in place of Magistrates upon the arrival of the Militia in the locality where required.

2. Pursuant to the said Order the Attorney-General for Ontario has authorized certain Provincial officials to exercise the power of requisitioning the Militia.

3. In no case should the Militia be requisitioned unless circumstances and conditions are exceptional and emergent. Before requisitioning the Militia an official should make careful and exhaustive enquiry and should be satisfied that such action is necessary to protect life and property and that all available police and civil organizations are unable to meet or control the situation. The calling of the Militia is an extraordinary measure which should only be considered in grave emergencies as it involves an impairment of civil jurisdiction and may entail considerable expense to the Province.

4. All officials authorized to requisition the Militia, other than Headquarters officials, will have regard at all times for the following:—

(a) Where circumstances and time permit they should communicate with (telephone or telegraph) and obtain the approval of the Attorney-General, the Deputy Attorney-General, the Commissioner, the Deputy Commissioner, or the Senior Staff Inspector, in that order of availability.

(b) Crown Attorneys should communicate with and obtain the approval of the nearest District Inspector or other officer in charge of the nearest District Headquarters, Ontario Provincial Police, if circumstances and time do not permit of contact with and approval from Headquarters as per paragraph (a).

(c) District Inspectors should communicate with and get the approval of the Crown Attorney of the County or District in which the Militia is required, if circumstances and time do not permit of contact with and approval from Headquarters as per paragraph (a).

5. Any official requisitioning the Militia must report fully and immediately to the Attorney-General.

6. If the locality where the Militia is required is a City or Town with a population of not less than 10,000 so that there may be present more than one senior police officer as defined by Section 5 of the Order, and if the Attorney-General has not designated and is not available to designate a senior police officer to function, Provincial Police officers should communicate with and obtain instructions from the Commissioner, the Deputy Commissioner or Chief of Staff of the Ontario Provincial Police or the Deputy Attorney-General or a senior Officer at Ontario Provincial Police Headquarters and be governed accordingly.

(Sgd.) G. D. CONANT,
Attorney-General for Ontario.

Toronto, August 23rd, 1940.

In addition to the Honourable the Attorney-General and the Deputy Attorney-General, the following officials are designated to requisition such services: All Crown Attorneys in the Province of Ontario, the Commissioner, the Deputy-Commissioner, the Senior Staff Inspector and all District Inspectors of the Ontario Provincial Police.

REGISTRATION OF FIREARMS AND PERMITS FOR OFFENSIVE WEAPONS

Under the provisions of the Criminal Code, before any person can sell, buy, give or lend any revolver, pistol or other concealable weapon, they must first obtain a permit to do so. The Criminal Code also makes it an offence for anyone to carry, either on the person (outside of their own premises) or in a vehicle under their control, or in which they are a passenger, a revolver or pistol or other concealed firearm.

Since the amendment to the Criminal Code in this connection, effective July 15th, 1933, all such permits in Ontario are issued from my office, and a separate branch under a Staff Inspector is maintained at General Headquarters to take care of this work.

During the calendar year 1940, 993 new individual permits to carry revolvers or pistols were issued in addition to many hundreds which were renewed. All such permits are only valid for the calendar year in which issued. Many permits issued are to members of regularly organized and approved shooting clubs in order that they may carry their weapons to and from the ranges of their respective clubs. Many more are issued to bank employees for the protection of bank funds.

One thousand three hundred and eighty-two individual permits for the transfer of revolvers and pistols and twenty Vender's Permits to recognized dealers were issued during the year.

Permits referred to above are not issued automatically upon application but only after investigation, and in accordance with the provisions of the Code, in which the reasons for such permits are definitely outlined.

Under the provisions of the Code any person who is not a British Subject cannot possess firearms of any description or ammunition therefor, without a permit, and between January 1st, 1940, and June 15th, 1940, ninety-three such permits were issued.

Under an amendment to the Defence of Canada Regulations in June, 1940, this section of the Code was superseded by a provision prohibiting the possession of firearms, ammunition and explosives by aliens and requiring that any such persons having firearms, ammunition or explosives in their possession were required to deliver them up to the nearest police officer or justice of the peace. The Commissioner, Royal Canadian Mounted Police could, however, in his discretion, issue permits to resident or non-resident aliens to possess firearms, etc.

Under an amendment to the Criminal Code, effective January 1st, 1935, all revolvers and pistols in the possession of any person in Canada were *required to be registered* and later an amendment required *re-registration* between *March 1st and July 1st, 1939, and every five years thereafter.* Where change of ownership of any such weapon occurs, immediate re-registration must be made by the new owner. While registration may be made with the Chief Constable of any city, town or village in Ontario, all blank registration certificates are distributed from this General Headquarters and general supervision is maintained from here.

This registration of revolvers and pistols and the issuing of permits for the transfer, carrying, etc., of such weapons has been of considerable advantage to this Force, and through us to other police forces, in the tracing and recovering of stolen weapons, also in the solution of crimes in which a stolen weapon figured.

On July 29th, 1940, an amendment was made to the Defence of Canada Regulations which required that all persons having rifles and shotguns in their possession in Canada must register them before September 15th, 1940. It was found physically impossible to complete registration by this date and it was subsequently extended to September 30th, 1940. In Ontario the Registration was authorized to be performed by the following persons:

1. The Chief Constable, the Chief of Police, or head or acting head of the Police Force of every City or Town in Ontario.
2. The Clerk of every township and village in Ontario (except the villages and townships hereinafter named).
3. The High County Constables of the Counties of York and Lanark.
4. The Chief Constables of the Townships of York, East York, North York, Etobicoke, Scarborough, Teck and Tisdale.
5. The Chief Constables of the Village of Forest Hill, Long Branch, Swansea, Humberstone, Delhi and Fergus.
6. All members of the Regular Force of the Ontario Provincial Police stationed at any detachment in any of the following areas: The unorganized districts of Muskoka, Parry Sound, Temiskaming, Cochrane, Nipissing, Algoma, Sudbury, Manitoulin Island, Kenora, Rainy River, Thunder Bay, Patricia, and the Counties of Haliburton and Renfrew.

Blank books of registration certificates were forwarded by the Commissioner, R.C.M.P., Ottawa, to this office, and were distributed by the Staff Inspector in charge of the issuing of weapon permits who was also authorized to supervise and advise the various registering officers.

In this connection about 8,000 books of registration certificates (each book containing 50 triplicate certificates) were distributed, in all about 400,000 certificates.

The registration certificates are printed in triplicate, the original is given to the person registering the weapon, the duplicate is retained by the registering officer and the triplicate sent to the Commissioner, R.C.M.P., Ottawa. It is not known here just how many rifles and shotguns were registered in Ontario as complete records are kept at Ottawa.

The registering of these weapons was done by the various officials mentioned above on an entirely voluntary basis and they did an excellent piece of work and are to be commended for the part they played in this necessary war effort.

Further, in connection with rifles and shotguns, the Defence of Canada Regulations as amended July 29th, 1940, also required that before purchase, sale or transfer of possession of such weapons be made, a Permit must be obtained. This work was done by the District Inspectors and members of this Force in unorganized Districts and the Chief Constables in the larger cities and metropolitan townships. The forms of Permit were supplied by the Ontario Government and were distributed from this office. We have already distributed 30,000 individual permits and several thousand vender's (merchant) permits.

EXPLOSIVES

On July 4th, 1940, an Order-in-Council was passed under the provisions of the Explosives Act, restricting the sale and possession of explosives and a permit is now required to buy or possess explosives. This does not include ammunition. Prior to this, hardware stores could sell explosives without permit, but now they cannot keep explosives at all unless they have a magazine license.

Permits to buy and keep explosives may now be issued by any member of the R.C.M.P. or Provincial Police, an Inspector of Mines of a Province or the Chief of Police of a municipality wherein the explosive is to be used. This again increases our work both in the issuing of permits and the checking, etc., of the proper guarding of such explosives.

The amount of work involved at this General Headquarters in the issuing of permits, supervision and correspondence in connection with firearms and explosives is very heavy and fully occupies the time of one of my Staff Inspectors and an assisting staff. To give some idea of this there were 8,488 letters written from here in connection with this work during the year, an increase of 2,400 over 1939.

INDUSTRIAL UNREST

Automobile Industry—Windsor:

Owing to reports received that strike trouble was imminent at the Chrysler Plant, Windsor, one Sergeant and twenty additional Provincial Constables were attached to Windsor District Headquarters, October 26th to 31st, when they returned to their respective stations.

On November 8th, thirty Provincial Constables and one Sergeant were again dispatched to Windsor District Headquarters owing to threatened trouble from the same source.

On November 13th, forty-six members of the C.I.O.-U.A.W. were arrested by members of this Force and the Windsor City Police under the Defence of Canada Regulations, to wit:

"Loitering in the vicinity of an Essential Industry."

All forty-six were convicted before the magistrate, the conviction being upheld by the Court of Appeal.

Members of the Force doing special duty were returned to their posts by December 4th.

Transport Workers Strike:

On November 11th, 1940, a walkout took place affecting a section of the truck drivers and freight handlers of the Direct Winters and Martin Transport Companies, with headquarters at Toronto, involving approximately seventy-five to one hundred employees of the two companies.

Owing to threats being made to sabotage the trucks and contents whilst en route to their destinations, the companies concerned applied to this department and the City of Toronto Police Department for protection.

A convoy system was put into effect whereby a number of trucks proceeding in the same direction would form a convoy with a motorcycle patrol escort. This system worked very satisfactorily and with few exceptions there was no interference.

A number of incidents were reported where strike pickets in automobiles endeavoured to force the transport drivers into the ditch.

Four men were arrested and convicted at St. Catharines for intimidation and offences under The Highway Traffic Act for trying to force a truck into the ditch which had a restraining effect and the strike died out soon after.

The Canadian Seamen's Union Strike:

Early in April a strike largely engineered by "Pat" Sullivan, President, was called by the Canadian Seamen's Union.

This strike was an attempt to tie up all shipping from Port Arthur, Ontario, to Halifax, N.S., affecting 6,500 seamen and 285 vessels.

Owing to threats of violence and importation of strong arm squads from other Provinces to prevent crews from operating vessels, a number of requests were received from heads of municipalities for assistance from the Force.

In compliance with such requests and with the approval of the Attorney-General, members of this Force were sent to the aid of the municipalities concerned as hereunder—

Prescott Grain Elevators:

On April 13th, 1940, one Staff Inspector, one Inspector, C.I.B., one Sergeant and twenty-five Provincial Constables were sent to Prescott owing to information received that violence would break out on the vessels tied up at that point from "strong arm" crews coming in from Montreal.

There was no disorder at this point and the men returned to their posts on the 15th instant.

On April 20th, at the request of the Reeve of Edwardsburg Township, one Sergeant and eight Provincial Constables were again sent to Prescott on special duty to prevent threatened violence regarding movement of vessels.

Point Edward, Ontario:

On April 18th, 1940, at the request of the Reeve of Point Edward, Ontario, one District Inspector, one Sergeant, and twenty Provincial Constables were sent for special duty to assist the Municipal Police in dealing with the strike of the members of the Canadian Seamen's Union.

During the evening of this date there was a sharp clash between the strikers and Police when the pickets attempted to prevent crews from reaching the docks.

Some injuries were received and a ship's Captain attempting to reach his vessel received a cut face. As a result two men were arrested and charged with assault and resisting the Police. Both were convicted and sentenced to thirty days' imprisonment and there was no further serious trouble.

On April 20th, at the request of the Reeve, the men were returned to their respective Districts.

Port Colborne, Ontario:

On April 18th, 1940, at the request of the Mayor of Port Colborne, one Sergeant and eight Provincial Constables were sent to Port Colborne to aid the Municipal Police in maintaining law and order in the event of violent outbreaks due to the strike.

At the request of the Mayor, on April 21st the men were returned to their posts.

Goderich, Ontario:

On April 20th, 1940, at the request of the Mayor of Goderich, one Sergeant and six Provincial Constables were sent to Goderich to assist the Municipal Police to maintain order in the event of violence due to the strike.

The men were withdrawn on request of the Mayor the following day.

Midland, Ontario:

On April 20th, 1940, at the request of the Mayor of Midland, one Sergeant and six Provincial Constables were sent to Midland to assist the Municipal Police to maintain law and order in the event of violence arising by reason of the strike.

The men were withdrawn the following day at the request of the Mayor.

Port Arthur and Fort William, Ontario:

Approximately four hundred members of the Union, affecting fifteen vessels and docks, went on strike at the head of the Lakes.

The services of the members of this Force were available to assist the Municipal Forces, but fortunately there was no disorder and our services were not required.

This strike, which was declared illegal by the Department of Labour, Ottawa, was no doubt called in an attempt to tie up all war supplies being shipped by inland waters, and could have had disastrous effects if it had not been dealt with firmly.

MURDERS

Provincial Constable D. C. Shervill, Wentworth County.

The above named officer was attached to Hamilton District and on the night of February 8th, 1938, was making a patrol of Orchard Beach, six miles east of the City when he was shot by some unknown person.

The officer lived some seven days following his injuries and gave the following account of the occurrence.

That he had driven to the beach alone shortly before midnight on the night in question, had parked his car with the lights turned off and proceeded on foot down a lane which led to the cottages.

He was passing one of the cottages when he bumped into a man, and on challenging this man, Shervill was shot in the abdomen.

The assailant made his escape and Shervill was able to walk to his car, drive a half-mile to the highway where he gave the alarm.

An intensive investigation followed and a number of suspects were rounded up with no result until October, 1939, when an inmate of the penitentiary at Kingston, named George Henry King, confessed to the shooting and is now awaiting trial on a charge of murder.

Arnold and Nancy Wellman, Rawdon Township, Hastings County.

The above named couple, both over seventy years of age, were found shot to death on their farm on the morning of February 1st, 1940.

The couple lived alone and it was apparent that the shooting of Arnold Wellman took place as he was about to milk a cow in his barn.

Mrs. Wellman was shot as she lay in her bed, a shotgun being the weapon used.

After eliminating considerable possible factors, our attention concentrated upon a neighbour, Fred Thain, and he was eventually arrested and charged with the double murder.

He was found guilty at the Belleville Assizes in the month of October, 1940, and sentenced to hang on January 14th, 1941.

Ambrose Carter, Prospect Hill, Perth County.

At 11.00 p.m., February 29th, 1940, as Ambrose Carter, farmer, alighted from his automobile at his home at Prospect Hill, Blanchard Township, County of Perth, he was shot and killed by a discharge from a shotgun.

From investigation it was found that James Crawford, Prospect Hill Storekeeper, had lain in wait for Carter to return home and had discharged both barrels of a shotgun, point blank, at Carter as he got out of his automobile.

After the shooting Crawford walked home to his store where he was later arrested and charged with murder.

Jealousy of Carter's attention to Crawford's wife was the alleged cause of the shooting.

At the trial held before Mr. Justice Makins at Stratford, Crawford was found guilty of manslaughter and sentenced to fifteen years in Kingston Penitentiary.

Wm. Hayes, Farmer, Clark Township, Durham County.

On March 19th, 1940, William Hayes, farmer, of Clark Township, died from injuries inflicted by Harold Eddy, a farmhand.

Enquiries showed that Eddy (who had previously been an inmate of the Ontario Hospital) had apparently a return of insanity whilst with Hayes and had attacked him with a chair and iron saucepan causing a badly fractured skull.

A charge of murder was prepared against Eddy but he never came to trial having been certified insane and committed to the Ontario Hospital at Whitby.

John and Annie Milroy, Farmers, North Dumfries Township, Waterloo County.

On April 25th, 1940, Reginal White of Hespeler, Waterloo Township, was hanged at Kitchener, for the brutal murder of John and Annie Milroy, aged farmers of North Dumfries Township, on August 28th, 1939, as per sentence pronounced by His Honour Judge J. A. Makins on February 7th, 1940.

William Hunt, Mrs. Elsie Hunt, Mrs. Charlotte Warren, John Hunt and June Hunt, Scottsville, Middlesex County.

On May 17th, 1940, William Hunt, farmer of Scottsville, Middlesex County, shot and killed his wife Elsie, his mother-in-law, Mrs. Charlotte Warren, his son John, and his daughter June, and then committed suicide by shooting himself through the head with the same weapon, a .44 calibre rifle, at their home near Scottsville.

Enquiries showed that Hunt was very much distressed over the loss of some cattle by death, also that he was in considerable financial difficulty.

James Kilpatrick, near Exeter, Huron County.

On June 21st, 1940, James Kilpatrick of near Exeter in Huron County was killed at the home of Samuel Dodge, an Indian living at Exeter. It would seem that both men had been drinking excessively and had quarrelled, resulting in the death of Kilpatrick.

Dodge was arrested on a charge of murder and was committed for trial on September 12th, 1940. He appeared before Mr. Justice Urquhart at the Fall Assizes for the County of Huron on November 7th, 1940. On evidence submitted, Dodge was found not guilty of murder and was acquitted.

Clement Portier, Melick Township, District of Kenora.

On July 9th, 1940, Lucien Portier of Melick Township, District of Kenora, shot and killed his brother Clement Portier at their home in the above-named Township.

Enquiries showed that Lucien and John Portier had quarrelled over a girl and that Lucien had fired three shots from a Winchester rifle at John but did not hit him.

One bullet, however, entered the back of Clement, another brother, causing instant death.

Lucien Portier was arrested and charged with murder.

At his trial before Mr. Justice Kelly, he was convicted of manslaughter and sentenced to twenty years in the penitentiary.

Ethel Matthew, Erindale Pond, Peel County.

On the morning of July 11th, 1940, the remains of the above-named woman were found in the pond at Erindale.

Ethel Matthew, age 24 years, had lived with her husband, Gordon Ross Matthew, age 21 years, on Keele Street, Toronto.

She had been missing from her home since 8.00 p.m. on the 10th of July and her husband, who had worked until about 7.00 p.m. on that date, did not return home until some seven hours later and reported to the police at 4.00 a.m. on the morning of July 11th that his wife was missing.

The husband, who had at first denied seeing his wife on the night in question, finally admitted that he had met her and taken her for a drive and that she had fallen from the car. Being in a panic and afraid that he would be accused of causing his wife bodily injuries, the husband placed the body of his wife in the pond. The medical evidence revealed, however, that the woman's injuries could not have been caused in the manner described by the husband, and he was charged with murder, convicted at the Peel Assizes in November and was sentenced to hang on January 23rd, 1941.

Arthur Phillips, Perth Machine Gun Regiment, Welland County.

At approximately 1.00 a.m., July 14th, 1940, the above named was shot and killed by one William Moulton of the same Regiment. Shooting took place at Queen Victoria Park Military Camp, Niagara Falls, Ontario. Arthur Phillips, age 24 years, a private in the Perth Machine Gun Regiment, died on July 14th, 1940, in the hospital, Niagara Falls, Ontario. The weapon used was an army rifle.

William Moulton was charged with murder and was tried and convicted on September 12th, 1940, and sentenced to hang on November 15th, 1940. On November 14th, 1940, the sentence was commuted to life imprisonment in Kingston Penitentiary.

Fred House, Indian, Six Nations Reserve, Brant County.

On September 20th, 1940, the dead body of Fred House, an Indian of the Six Nations Reserve, was found in a lane on the Reserve at the rear of a house occupied by Leonard Buck, a fellow Indian.

An investigation was carried out by members of the Brantford Detachment of this Force and the Royal Canadian Mounted Police Detachment on the Six Nations Reserve.

Evidence was obtained that Fred House and Leonard Buck had quarrelled on the previous night and that Buck had been heard to say that he was going to kill House.

House had died from a fractured skull, supposedly caused by an automobile crank used by Buck.

Buck was arrested, charged with the murder of House, and on October 5th, 1940, committed for trial by the Magistrate.

Jerry Blackbird, Squirrel Island, Lambton County.

On August 17th, 1940, Jerry Blackbird, Indian, was killed by being struck with an axe in a shack on Squirrel Island in the St. Clair River.

Enquiries made by the members of the Sarnia Detachment were to the effect that Blackbird and a fellow Indian, named Stephen Kiyoshk, had indulged in a drinking bout after returning from the United States and that Kiyoshk had killed Blackbird with an axe.

After the killing Kiyoshk shackled the body of Blackbird to the stern of a rowboat tied to a dock where the Police found it.

Kiyoshk was arrested and charged with murder. His trial took place before Mr. Justice Roach on September 12th to 19th, 1940, at the Assizes Court, Sarnia, when he was found guilty and sentenced to hang November 26th, 1940.

He was granted a stay of execution by the Honourable Mr. Justice Kelly until January 3rd, 1941.

Kiyoshk was a bad Indian who had been previously convicted of murder and sentenced to hang, but the sentence was reversed on being granted a new trial.

ATTEMPTED MURDER

Velma Tanner, Richmond Township, Lennox and Addington Counties.

On April 24th, 1940, Eldon Perkins, Richmond Township, attempted to murder Velma Tanner, age 19 years, at her home in Richmond Township.

Perkins visited Miss Tanner on the evening of the above date, taking with him a .22 calibre rifle. During the evening a dispute arose and Perkins shot Miss Tanner through the breast, the bullet penetrating the lung and coming out by the left shoulder blade.

After the shooting Perkins went to the home of James C. Clarke where he went to bed and during the night shot himself through the head causing instant death.

ROBBERIES AND CRIMES OF VIOLENCE

Robbery—Bank of Toronto, Cardinal, Grenville County.

On November 30th, 1939, the branch of the Bank of Toronto at Cardinal was held up and robbed of $2,225.00 by two armed men who ordered the Bank Staff and four customers into the vault. When the robbers found they could not fasten the vault, they bound the hands and feet of all seven people and dragged them into the vault, and after obtaining all available cash, escaped in an automobile.

The two robbers were of Jewish or German appearance, and apparently made a clean getaway, but suspicion centered on one Harry Muller, a German, who had resided at Cardinal several years before.

Muller was arrested in Toronto on December 11th, 1939, under the name of Harry Miller, on a charge under the Defence of Canada Regulations and was identified by the Bank Staff as one of the robbers.

On February 23rd, 1940, Harry Muller pleaded guilty before Judge Tudhope of armed robbery and was sentenced to six years in Kingston Penitentiary. The investigation is being continued and some valuable information concerning the second man has been obtained which it is hoped will result in his arrest in the near future.

Robbery—Canadian Bank of Commerce, Baden, Waterloo County.

On the afternoon of January 10th, 1940, the Baden Branch of the Canadian Bank of Commerce was robbed by a lone armed bandit who entered the Bank armed with a revolver and bound the manager, escaping with about $560.00.

The robber apparently escaped on foot as no automobile was seen in the vicinity at the time of the robbery.

Investigation proved fruitless until February 7th, 1940, when a man giving the name of John Kelly, no fixed abode, was arrested at Cornwall in the possession of currency of large denominations.

He was identified by the manager of the Bank at Baden as the man who had held up the Bank and was returned to Waterloo for trial.

Owing to his peculiar actions at his preliminary hearing he was examined by psychiatrists and found to be insane. He was committed to a mental hospital.

Robbery—Royal Bank of Canada, Winona, Wentworth County.

On August 14th, 1940, at about 3.00 o'clock in the afternoon, the Royal Bank of Canada at Winona, Ontario, Wentworth County, was held up and robbed of $3,793.93. One man only entered the Bank and did the actual robbery, but it is thought from information secured that another man kept watch in a parked car, the engine of which was running, directly outside the Bank. Shortly after the robbery, the information was telephoned to District Headquarters, Hamilton, and a Sergeant and Constables were immediately sent out to investigate.

The description obtained of the bandits was sent out by telephone to all Police Officials and Constables in the district, also Provincial Police District Headquarters, circling Hamilton to a radius of approximately fifty miles, but the bandits made good their escape and are still at large, although everything has been done to apprehend them.

Robbery—Edward Martin's Store, Kingsbridge, Huron County.

On November 15th, 1939, an armed hold-up took place at the store of Edward Martin, Kingsbridge, Huron County. Three young men riding in a stolen car held up the proprietor of the small store and service station and, after obtaining gasoline and cigarettes, they made a get-away.

Intensive investigation resulted in the arrest of Alfred Dietrich, St. Clements, Ontario, Lorne Uttley and Donald Boehler, both of Kitchener, Ontario. On January 4th, 1940, Boehler, a juvenile, was sentenced to St. John's Industrial School for a term of not more than two years, and on January 11th, 1940, Alfred Dietrich and Lorne Uttley pleaded guilty of Armed Robbery and Breaking and Entering and were sentenced to three years in Kingston Penitentiary on each charge.

Robbery—Service Station, East of Prescott, Leeds County.

Eugene Larment, Wilfred Byrne, Albert Henderson and Michael Nychai were arrested on April 2nd, 1940, and charged with the hold-up of a Service Station two miles east of Prescott on Number 2 Highway. Larment and Henderson were sentenced to six years, Wilfred Bryne to four years Kingston Penitentiary. Michael Nychai escaped from the County Gaol at Brockville and was later arrested in Oshawa. He was brought back to Brockville on May 6th, and received six years in Kingston Penitentiary with an additional sentence for escaping.

Robbery—Kenneth McKenzie, Culross Township, Bruce County.

As a result of charges laid by the Provincial Police, Walkerton Detachment, against Wilfred Brochu of Montreal, this man was arrested by the Toronto City Police Department on February 9th, 1940. Brochu allegedly stole $3,150.00 from Kenneth McKenzie of Culross Township in Bruce County in the year 1936. He appeared before Judge C. W. Owens at Walkerton on March 8th, 1940, and was sentenced to serve four years in Kingston Penitentiary on each charge.

With the arrest of Arthur Douglas, John Douglas, Gladys Green and C. E. Vanalistine, all of Owen Sound, Ontario, on November 19th, 1940, a series of house-breaking in Grey County was brought to an abrupt halt. Arthur Douglas and John Douglas (both coloured) received sentences of five years each in Kingston Penitentiary. Gladys Green was given suspended sentence, and the charge against Vanalistine was dismissed.

During the latter part of the summer of 1940, there was a series of Breaking, Entering and Thefts from school houses in Brant, Norfolk, Wentworth, Halton and Haldimand Counties. Members of the Force throughout the adjoining districts worked on this investigation resulting in a very successful conclusion by the arrest of Mrs. Wilfred Crumb and her two daughters, Dorothy, aged 25 years, and Katharine, aged 21 years, at their residence in Paris, Ontario. A search of their premises located hundreds of dollars worth of stolen property of every description. These three women were charged under Section 399 C.C. and on December 13th, 1940, they were all found guilty and each one sentenced to serve a term of one year in jail.

With the arrest of William Montgomery (who used a score of aliases) on February 13th, 1940, one of the most "successful" cheque rackets was brought to a close. This man had been operating over practically all sections of the Province and his victims were, for the most part, hotel proprietors. He was arraigned before Magistrate John R. Blake in Kitchener Police Court on March 1st, 1940. He pleaded guilty to forty-five charges of false pretences, forgery and theft of money. Many of these charges were on Informations forwarded from points outside of Waterloo County. Montgomery was sentenced to serve five years in Kingston Penitentiary.

On April 13th, 1940, Chas. P. McCarthy, ex-Chief Constable, Carleton County, and holder of a private detective license, Ottawa, was arrested on charges of "fabricating evidence". Following extensive investigations into McCarthy's activities in obtaining evidence in certain divorce cases, he appeared before the Magistrate at Ottawa and was committed for trial. On June 11th, 1940, McCarthy appeared for trial before Mr. Justice E. R. E. Chevrier and jury on indictment charges of Perjury, Fabrication of Evidence and Procuring Girls for Immoral Purposes. A verdict of guilty was returned and McCarthy was sentenced to seven years in Kingston Penitentiary.

On information furnished by John Nicholson, Hardware Merchant of Walkerton, Ontario, on November 28th, 1940, that a man giving the name of John West had purchased gunpowder, a file and flashlight from him, an investigation was immediately started into West's actions. He was located at the Hartley House at Walkerton and in his room a large supply of sulphuric and nitric acid, glycerin, sodium carbonate, eye droppers, gunpowder and a file were found. The man's proper name was Edmund Scarr of Owen Sound, and he had recently been released from Kingston Penitentiary. Scarr was charged with having explosives, Section 114 C.C., and on December 6th, 1940, was sentenced to serve six years in Kingston Penitentiary. He was further charged under Section 24 (a) of the National Registration Regulations and under Section 466 C.C. He received sentences of two years and one year respectively, sentences to run concurrently with the Explosive Charge.

Mrs. Beck, age 52 years, of Strathcona Avenue, Westboro, Ontario, was viciously attacked and criminally assaulted on March 31st, 1940. One Lester Arbuckle was arrested by a member of this Force, Ottawa Detachment, and through the very efficient manner in which the investigation was carried out, Arbuckle was convicted and sentenced to ten years in Kingston Penitentiary.

MISSING PERSONS

Earl Donald Kirk and Wife, North Bay, District of Nipissing:

On October 4th, 1940, Earl D. Kirk and his wife left North Bay, Ontario, driving a 1938 Plymouth, heading for points in Manitoba and Saskatchewan.

They were last seen in Sudbury where they had a meal with the representative of the British American Oil Company on the same date. They left Sudbury, supposedly for Sault Ste. Marie, and have not been seen or heard of since. Numerous friends and relatives throughout the west have been interviewed, including Kirk's mother and various women friends, but none have heard of or from him since early in October. It was raining when Kirk left Sudbury, and it is believed probable that the car may have left the road at some bad turn and its occupants carried into some river or lake. Every effort has been made to try to locate them but as they were not reported missing until November 11th, 1940, it was impossible to drag the various rivers and lakes where they might have gone off the road as at that time the rivers and lakes were frozen over and dragging operations had to be suspended until Spring.

Return of Most Important Occurrences Reported and Investigated for the Period January 1st to December 31st, 1940

Murders	20	Housebreaking	255
Attempted Murders	3	Shopbreaking	335
Manslaughter	15	Robbery	27
Wounding	37	Robbery with Violence	72
Suicides	98	Thefts	1,663
Insane Persons	148	Automobile Thefts	157
Criminal Negligence	19	Bicycle Thefts	40
Rape	15	Receiving	202
Attempted Rape	9	Drownings	164
Carnal Knowledge	40	Automobile Fatalities	355
Forgery	83	Death from Other Causes	223
Fraud	186	Intoxicated in Charge of Auto	424
Burglary	57	Reckless Driving C.C., Sec. 285	706

HIGHWAY TRAFFIC ACT

The laws governing and regulating the use and operation of motor vehicle, on the highways are embodied not only in the Highway Traffic and Allied Acts, but also in the Criminal Code, and their enforcement has become one of the most important of all Police duties.

In 1919 the Government of Ontario appointed two officers to patrol the highway between Toronto and Hamilton and as good roads extended, the force of Traffic Officers increased from year to year, operating under the Department of Highways until 1930.

As the use of motor vehicles by the travelling public increased, their use also became common by bank robbers, hold-up men and bandits, who often stole an automobile to make their get-away after committing a crime.

In making plans to deal with this type of lawlessness, it was realized that the Traffic Officers patrolling the highways were the key men in any scheme put into operation, but unfortunately they could not be used to advantage for two primary reasons.

Firstly—They had not full powers of a constable (their powers extending only to the enforcement of the Motor Vehicle or Highway Traffic Act).

Secondly—Being directly under the jurisdiction of the Minister of Highways the Officers of the Provincial Police could not direct their movements.

To correct this evident anomaly, an agreement was reached in March, 1930, between the Department of Highways and the Attorney-General's Department whereby the Traffic Officers were transferred to the Department of the Attorney-General to become a Branch of the Provincial Police with full powers of Provincial Constables, the only stipulation being that the Officers concerned would not be taken from the Provincial Highways for other duties.

After the transfer became effective, the Traffic Officers were known as the Motorcycle Patrol Branch of the Force and functioned under the central control of an Inspector-in-Charge at Headquarters, Toronto.

The Province was divided into Eastern, Central and Western Areas with an Inspector in charge of each Area stationed at London, Toronto and Brockville.

It was the hope and intention that the Traffic Officers would eventually become an active integral part of the Force, but, unfortunately, the system of central control did not prove a success, there being a noticeable lack of supervision and cohesion, and a decided tendency to operate as a separate "Force" instead of functioning as a Branch of the main Force.

This tendency to operate independently was responsible for a noted lack of co-operation between the members of the Regular Force and the Motorcycle Patrol which became injurious to the prestige of the Force and caused unfavourable comment from Crown Officials and the public.

As the result of a survey regarding closer supervision and control, the Honourable the Attorney-General issued instructions that the Motorcycle Patrol cease to function as a separate unit and the supervision and control be assumed by the District Inspectors as from January 1st, 1940, according to the number of Motorcycle Constables doing duty in the District concerned.

The task of absorbing the Motorcycle Patrol by the District Inspectors concerned was expeditiously and efficiently accomplished within a few weeks and the results achieved have more than justified the amalgamation.

At the time of the amalgamation the staff employed in Headquarters Office, Motorcycle Patrol, consisted of:

1 Staff Inspector
1 Provincial Constable
1 Area Inspector
4 Clerks and Stenographers

This office has now been abolished and the Staff Inspector and Clerical Staff transferred to other duties or Departments.

The rank of Area Inspector was also abolished and the three Area Inspectors demoted to Patrol Sergeants.

At the end of 1940 the strength of the Motorcycle Patrol consisted of 121, all ranks, patrolling 4,450 miles of highways in Southern Ontario, approximately 36.7 miles per man, and the number of motor vehicles licensed and in operation in the Province were as follows:

Passenger Vehicles	610,576
Buses	1,058
Two-Purpose Vehicles	1,855
Commercial Vehicles	84,980
Trailers	44,650
Motorcycles	5,403

In addition to the highways patrolled in Southern Ontario, the members of the Force in Northern Ontario are responsible for 2,818 miles of highways which have been designated "King's Highways" since 1935.

To give additional protection to lives and property and further improve the supervision of the Motorcycle Patrol, the Honourable the Attorney-General in December, 1940, approved the purchase of five specially equipped automobiles to be used by the Patrol Sergeants in carrying out their duties.

These automobiles are the very latest in Patrol Cars, and are painted a distinctive colour with appropriate lettering on the doors and the front and rear of the vehicle. They are equipped with "Police Flasher" lights and carry appliances necessary in the event of accidents involving personal injuries, including First Aid Kit, Stretcher and Blankets, Fire Extinguisher, Axe, Signal Flares, Tow Rope, etc.

Mileage patrolled as at December 31st, 1940	4,450 miles
Number of Patrols covered	108
Approximate length of each Patrol	37 miles
Warnings Given and Recorded for General Violations	29,417
Under Section (10) and Sub-Sections	27,568
Total	56,985

MOTOR VEHICLE ACCIDENTS INVESTIGATED FOR THE PERIOD JANUARY 1ST TO DECEMBER 31ST, 1940

	No. of Accidents	Fatal	Number Killed	Non-Fatal	Number Injured	Property Damage
January	337	11	11	192	193	323
February	391	13	13	226	226	385
March	463	7	7	313	315	460
April	327	23	23	206	234	326
May	474	22	24	270	399	466
June	614	35	46	299	537	604
July	752	37	45	429	746	740
August	842	48	52	413	761	810
September	810	45	58	410	766	771
October	809	35	41	390	644	779
November	764	33	36	300	486	673
December	576	32	35	201	353	554
Total	7,159	341	391	3,649	5,660	6,891

PROSECUTIONS INSTITUTED BY MEMBERS OF THE FORCE FOR THE PERIOD JANUARY 1ST TO DECEMBER 31ST, 1940

Offence	Prosecutions	Convictions	Dismissals	Withdrawals
Careless Driving	3,445	3,031	306	108
Speeding	1,593	1,551	27	15
Failing to Have Operator's License	1,029	964	34	31
Failing to Produce Driver's License	940	884	39	17
Lights	958	934	19	5
Overloading	1,778	1,684	63	31
Other Infractions, H.T.A.	3,121	2,899	152	70
P.C.V. Act	296	240	47	9
	13,153	12,162	692	299

LIQUOR CONTROL ACT PROSECUTIONS

(January 1st to December 31st, 1940)

There were 2,462 prosecutions by the members of this Force under the provisions of the Liquor Control Act throughout the Province of Ontario for the above mentioned period. These comprised 2,208 Convictions, 130 Dismissals and 124 Withdrawals.

Offence	Prosecutions	Convictions	Withdrawals	Dismissals	Fines
Drinking in a Public Place	419	402	11	6	$ 3,920.00
Drunk in a Public Place	623	601	8	14	5,472.00
Having	271	231	22	18	16,205.00
Having or Consuming in Hotel	1	1	...	...	100.00
Illegal Use of Permit	1	1	...	...	25.00
Infractions of Liquor Control Board Regulations	352	320	15	17	6,796.00
In Possession of Liquor Without Board's Seal	8	8	...	...	120.00
Keeping in Unlawful Place	360	322	22	16	11,320.00
Miscellaneous Offences	106	97	4	5	1,783.75
Permitting Drunkenness in Private Residence	22	20	2	...	430.00
Sale or Keeping for Sale	206	126	37	43	2,130.00
Supplying Liquor ro Minors	50	38	4	8	535.00
Unlawful Possession	37	35	1	1	2,345.00
Unlawful Purchase	6	6	...	...	150.00
TOTAL	2,462	2,208	124	130	$51,331.75

CONFISCATED LIQUOR

The following amounts of Spirits, Wine and Beer were seized and confiscated by the presiding Magistrates throughout the Province of Ontario and turned over to the Liquor Control Board.

Spirits	Wine	Beer
390 Gallons	6,050 Gallons	5,775 Gallons

The approximate value amounted to $7,212.00.

CONFISCATED AUTOMOBILES

Under the provisions contained in The Liquor Control Act, the following automobiles were seized and confiscated by Magistrates throughout the Province and were brought to headquarters, Toronto, where they were sold by auction or otherwise disposed of:

Model of Car or Truck	Sale Price at Auction	
Oldsmobile Sedan	$ 47.00	Sold by Auction
Ford Roadster	48.00	" " "
Ford Coach	190.00	" " "
Chevrolet Coach	425.00	Returned to Owner
Pontiac Coach	163.00	Sold by Auction
Ford Coach	190.00	" " "
Plymouth Sedan	45.00	" " "
Chevrolet Sedan	400.00	" " "
Pontiac Sedan	170.00	" " "
Chevrolet Coach	150.00	" " "
Dodge Sedan	650.00	To this Department
Chevrolet Coach	200.00	Sold by Auction
Buick Sedan	125.00	Returned to Owner
Ford Coupe	135.00	Sold by Auction
Ford Roadster	12.00	" " "
Dodge Sedan	1,000.00	To this Department
Chevrolet Coach	380.00	Sold by Auction
Hudson Sedan	102.50	" " "
Ford Coach	160.00	Sold privately
Chevrolet Truck	....	Awaiting Disposal
Ford Roadster	....	" "
Ford Coupe	....	" "
Oldsmobile Sedan	....	" "
TOTAL AMOUNT	$4,592.50	

REVENUE DERIVED FROM ENFORCEMENT LIQUOR CONTROL ACT

Fines Collected	$51,331.75
Approximate Value of Liquor Seized	7,212.00
Value of Confiscated Automobiles	4,592.50
TOTAL	$63,136.25

PERMITS AND PROHIBITORY ORDERS RECEIVED FOR CANCELLATION

During the year there were 2,523 Liquor Permits and Prohibitory Board Orders for cancellation received from members of the Force, and in each case where the report of the Officer justified the cancellation or a Prohibitory Board Order, these reports were forwarded to the Chief Commissioner of the Liquor Control Board, with a covering letter recommending cancellations, and in practically every case the Permit in question was cancelled or a Board Order was issued as the case may be.

SAMPLES OF LIQUOR FOR ANALYSIS

There were 345 samples of liquor for analysis received from members of this Force and Municipal Police Forces throughout the Province.

The work in connection with these samples is very important. When the samples are received, a record of the seal numbers and other particulars are placed in a record book before the samples are delivered to the Analyst. When they are analyzed, a Certificate of Analysis, showing the strength by volume of absolute alcohol is prepared by the Analyst and is sworn to by the person in charge of Liquor for Analysis. These Certificates are then mailed to the Police Officers from whom the samples were received to be used as conclusive evidence in the Police Courts as to the strength of the liquor seized.

Reports show good results were accomplished in the enforcement of The Liquor Control Act by members of the Force under the direction of their District Inspectors during the past year notwithstanding the continual criticism regarding the non-enforcement of our Liquor Laws.

INVESTIGATIONS (GENERAL)

A total of 61,234 occurrences were reported for investigation during the period under review.

These cover a very wide range and, in addition to matters pertaining to general law enforcement, included requests from foreign Consuls, Police Departments in United States, Australia, and European Countries, also from friends and relatives of missing persons asking for advice and assistance.

STATISTICAL RETURNS

Owing to the Police Year (for the purpose of this Report) being changed from the "Fiscal" to the "Calendar Year," complete comparable statistics are not available.

Classified Return of Prosecutions, Convictions, Dismissals and Withdrawals

	Prosecutions	Convictions	Dismissals	Withdrawals
Criminal Code	8,114	6,307	1,242	565
Highway Traffic Act	13,153	12,162	692	299
Liquor Control Act	2,462	2,208	130	124

Return of Criminal Prosecutions

Offence	Convictions	Dismissals	Withdrawals	Total
Abduction	1	1		2
Abortion	2			2
Affray	15		2	17
Arson	8	4	3	15
Assault—Aggravated	18	4	1	23
Assault—Bodily Harm	137	48	19	204
Assault—Common	300	87	43	430
Assault—Indecent	39	13	5	57
Assault on Police Officer	12	1		13
Attempted Arson	1	1		2
Attempted Buggery		1		1
Attempted Carnal Knowledge	4	2		6
Attempted Fraud	3	1		4
Attempted Murder		1		1
Attempted Rape	3	2	1	6
Attempted Robbery	5			5
Attempted Suicide	11	3	1	15
Attempted Theft	17	4		21
Attending Cock-Fight	1			1
Bigamy	4			4
Breach of Children's Protection Act	1	1		2
Breach of Customs and Excise Act	5			5
Breach of Dairy Act	4		2	6
Breach of Forest Fires Act	8			8
Breach of Hotel Registration Act	1			1
Breach of Indian Act	54	4	9	67
Breach of Juvenile Delinquents Act	26	18	1	45
Breach of Lord's Day Act	18	1	4	23
Breach of Master and Servant Act	44	14	16	74
Breach of Narcotic Drug Act	3			3
Breach of Ontario Securities Act	1			1
Breach of Optometry Act	3			3
Breach of Other Provincial Statutes	158	4	4	166
Breach of Private Detectives Act	2			2
Breach of Public Health Act	3			3
Breach of Railway Act	8			8
Breach of School Attendance Act	3			3
Breach of Transportation of Fowl Act	9			9
Breach of Vital Statistics Act	2			2
Breaking and Entering	447	70	22	539
Breaking Gaol	3			3
Breaking Parole	3			3
Buggery	3	2		5
Burglary	21	1		22
Carnal Knowledge	26	3		29
Concealment of Birth	1	1		2

RETURN OF CRIMINAL PROCEEDINGS—*Continued*

Offence	Convictions	Dismissals	Withdrawals	Total
Conspiracy	12			12
Contempt of Court	2			2
Corrupting Children	13			13
Counterfeiting	1			1
Criminal Negligence	5	8	3	16
Cruelty to Animals	31	5	1	37
Damage to Property	213	85	20	318
Disorderly Conduct	190	29	23	242
Disorderly House (Inmate)	137	5		142
Disorderly House (Keeping)	23		1	24
Driving Whilst Intoxicated	360	56	10	426
Defence of Canada Regulations	181	23	16	220
Escaping from Custody	8			8
False Pretences	199	35	25	259
Forgery	85	6	5	96
Fraud	35	4	1	40
Gambling	1			1
Games of Chance	2			2
Gaming House (Inmate)	354			354
Gaming House (Keeping)	91	5	1	97
Highgrading	29	8	3	40
Housebreaking and Theft	31	2	2	35
Impersonating an Officer	21	2	2	25
Incest	2	1		3
Indecent Acts	20	2		22
Injury to Animals	3	2		5
Insane Persons	82	10	4	96
Intimidation	3	1	1	5
Kidnapping		4		4
Leaving Scene of Accident, Sec. 285 (2)	63	17	10	90
Lotteries	3		2	5
Manslaughter	6	5	1	12
Miscellaneous Offences	169	51	14	234
Miscellaneous Offences, Sec. 285	37	6	2	45
Mischief	44	5	2	51
Municipal By-Laws	4			4
Murder	7	1		8
National Registration Act	82	6	3	91
Non-Support	44	26	11	81
Nuisance	3			3
Obstructing Police Officer	27	1	2	30
Obscene Literature	7			7
Offensive Weapons	140	6	4	150
Perjury	14	7	1	22
Poisoning	1			1
Procuring			2	2
Prostitution	3			3
Rape	5	9		14
Receiving Stolen Goods	153	54	20	227
Reckless Driving, Sec. 285 (6)	553	167	61	781
Resisting Arrest	1			1
Robbery	33	6	3	42
Robbery Whilst Armed	25	1	1	27
Sedition			1	1
Seduction	5	2		7
Shooting with Intent	1		1	2
Shopbreaking and Theft	25	3	3	31
Theft	1,020	197	61	1,278
Theft of Poultry	46	6	2	54
Threats	10	5	4	19
Trespass	11	8		19
Vagrancy	290	65	91	446
Wife Desertion	2			2
Wounding with Intent	8	1		9
TOTAL	6,307	1,242	565	8,114

Arrested with or without warrants and persons summoned for offences against the Criminal Code and other Dominion and Provincial Statutes:

Arrested with Warrant under Criminal Code, Highway Traffic Act and other Statutes	1,410
Arrested with Warrant under Liquor Control Act	47
Arrested without Warrant under Criminal Code, Highway Traffic Act and other Statutes	2,612
Arrested without Warrant under Liquor Control Act	624
Summoned, etc.	19,036
TOTAL	23,729

A classification of the ages of persons prosecuted for offences against the Criminal Code and other Dominion and Provincial Statutes, Highway Traffic Act, and The Liquor Control Act:

Ages 1-10	8
" 10-15	295
" 15-20	3,002
" 20-30	8,976
" 30-40	5,054
" 40-50	3,421
" 50-60	1,616
" 60-70	621
Over 70	52
Companies	684
TOTAL	23,729

A classification of nationalities of persons prosecuted for offences against the Criminal Code and other Dominion and Provincial Statutes, Highway Traffic Act, and The Liquor Control Act:

Canadians	18,465
Americans	674
English	574
Indians	119
Irish	181
Italians	278
Polish	243
Russians	146
Scotch	206
Other Nationalities	2,159
Companies	684
TOTAL	23,729

A classification of the sex of persons prosecuted for all offences against the Criminal Code and other Dominion and Provincial Statutes, Highway Traffic Act, and The Liquor Control Act:

Males	19,039
Females	4,006
Companies	684
TOTAL	23,729

A classification of marital state of persons prosecuted for all offences against the Criminal Code and other Dominion and Provincial Statutes, Highway Traffic Act, and The Liquor Control Act:

Married	10,185
Single	12,650
Widows	15
Widowers	195
Companies	684
TOTAL	23,729

Number of Search Warrants executed under the following:—

The Criminal Code	1,371
The Highway Traffic Act	14
The Liquor Control Act	2,040
Number of Arrests for other Forces	429
Summonses served for other Forces	2,436

LOST OR STOLEN PROPERTY RECOVERED

Property which had been reported lost or stolen to the value of $185,281.00 was recovered by members of the Force and restored to its various owners.

CONCLUSION

In conclusion I wish to express my appreciation for the assistance rendered to the Force during the year by the press and radio officials throughout the Province.

I desire to thank the Municipal Police Forces of the Province, especially that of the City of Toronto, the Royal Canadian Mounted Police and Railway Police Forces, also the many public-spirited citizens for their effective assistance and co-operation during the period under review, and also to place on record the valued assistance and advice received from County and District Crown Attorneys and Magistrates in matters pertaining to the duties of the Force.

On behalf of the entire staff of the Force, I can assure you that the same constant loyalty, vigilance and devotion to duty will be maintained in its fullest sense throughout the critical days that lie ahead.

Respectfully submitted,

William H. Stringer

Commissioner of Police for Ontario.

FIFTY-FOURTH ANNUAL REPORT

OF THE

Niagara Parks Commission

1940

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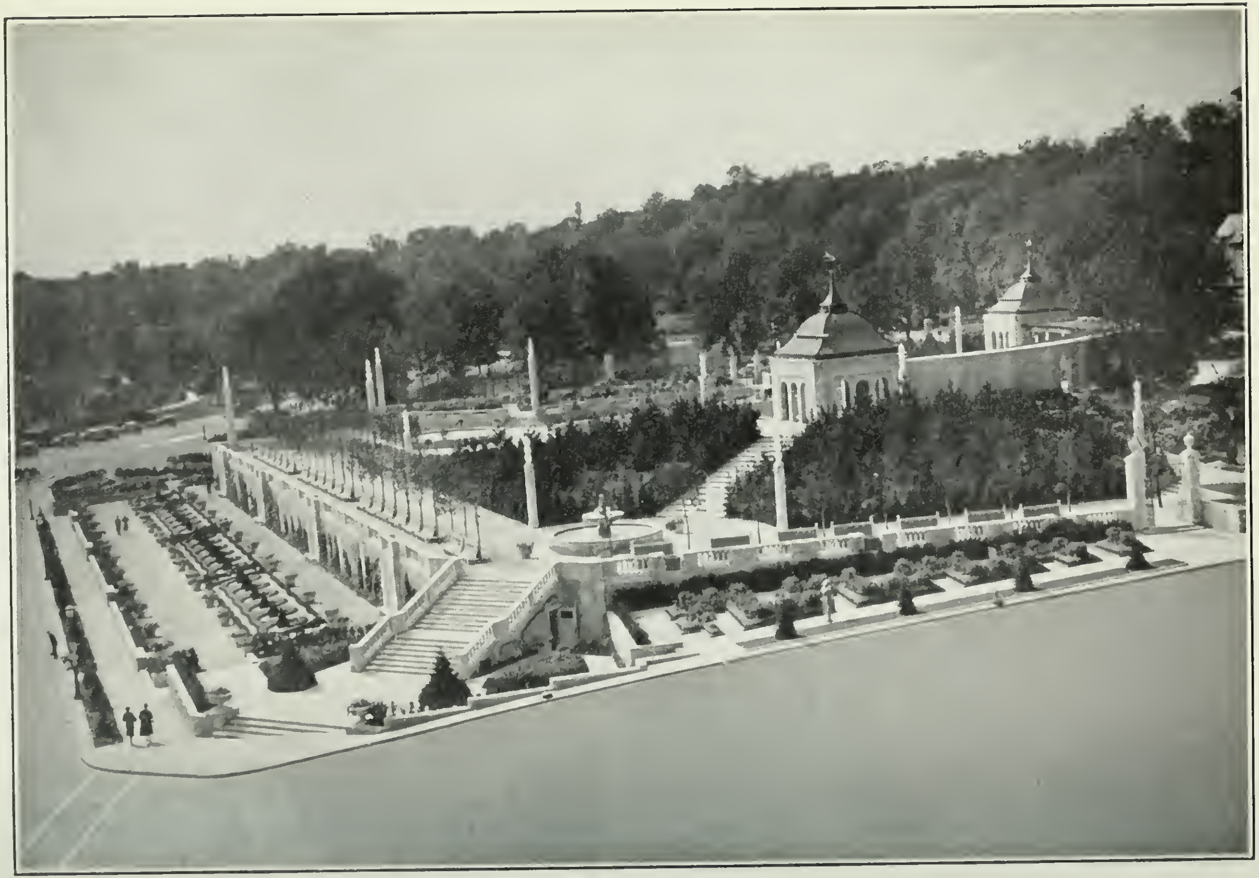
JOHN C. M. GERMAN, K.C., Toronto.
ROSS HARSTONE, Hamilton.
A. T. WHITAKER, Brantford.
DONALD McGILLIVRAY, Port Colborne.
ARCHIE J. HAINES, M.L.A., Jordan.

GENERAL MANAGER
C. ELLISON KAUMEYER



Oakes Garden Theatre

FIFTY-FOURTH ANNUAL REPORT

OF THE

NIAGARA PARKS COMMISSION

To The Honourable Albert Matthews, LL.D.,
Lieutenant-Governor of the Province of Ontario.

May It Please Your Honour:

The Niagara Parks Commission begs to submit for the information of the Legislature, the fifty-fourth Annual Report, covering the fiscal year from April 1, 1939 to March 31, 1940.

The membership remains as during the previous year, consisting of Hon. T. B. McQuesten, K.C., Minister of Highways, Toronto, Chairman; Dr. G. B. Snyder, Niagara Falls, Vice-Chairman; Hon. W. L. Houck, B.S., Niagara Falls; A. J. Haines, M.L.A., Jordan; J. C. M. German, K.C., Toronto; Ross Harstone, Hamilton; A. T. Whitaker, Brantford; Donald McGillivray, Port Colborne. C. Ellison Kaumeyer, Chippawa, is General Manager and Secretary to the Commission.

Your Commission, within the limits of its finances, has continued its programme of preservation, restoration, commemoration, beautification and attraction, as will be detailed in this report, but under greater handicaps than since the trying days of 1914-18, the years of the First Great War. With an outbreak of a new war, though the aggressors were the same as before many plans had to be curtailed and your Commission co-operated with the authorities, Provincial and Dominion, in every possible way. The Commission was particularly hit, financially, through the necessity of having to barricade the main roadway in front of the Park Restaurant and reaching to Table Rock House, which is the largest revenue producer of the Commission's Concessions and a favourite particularly with U. S. Tourists. The Table Rock House remained closed all through the Winter. In the Spring at an expense of some $10,000 the barricades were changed so as to allow traffic past the Power Houses and to reach Table Rock House, but when Germany invaded Holland and Belgium and carried on total war against France and Britain the old barricades were re-erected, again cutting off traffic from Chippawa and forcing the closure of Table Rock House and the Tunnel under the Falls, it being felt essential that no chances should be taken which might result in the Power Houses being sabotaged and Ontario's power supply for war purposes cut off. Your Commission concurred in the drastic action, feeling that it was essential that Canada's war efforts should not be risked or handicapped when the Empire is at war with an enemy whose avowed intention is to destroy the Empire and all its component parts.

During the war years, therefore, the Commission expects to meet its obligations but to conserve its resources, with especial regard to protection of the vital Hydro-Electric plants which are located within its domains.

THE ROYAL VISIT

On June 7, 1939, the Queen Victoria Park, operated by the Niagara Parks Commission, had the distinguished honour of being visited by Their Gracious Majesties, King George VI and Queen Elizabeth. Arriving at St. Catharines, on the Royal Train, Their Majesties detrained there and motored to Niagara-on-the-Lake, that focal point of the history of Upper Canada, particularly in the years of British occupation prior to and including the War of 1812-14, or Newark, as this delightfully located village was known when it housed the first Parliament of Upper Canada. Fort George (under construction), Fort Mississauga, Navy Hall (also under construction) and the William Lyon Mackenzie reconstructed home and print shop.

Their Majesties then motored via the Niagara Parks Commission River Parkway to Niagara Falls, where the cavalcade made a brief tour of the streets, entering Queen Victoria Park by the Mowat Gate and proceeding to the Administration Building, where they were greeted by Hon. T. B. McQuesten, Chairman of the Commission, who introduced to Their Majesties the members of the Commission and, in the cases applicable, their wives. Within the Administration Building, tea was privately served to Their Majesties, who inscribed their names in a Golden Book prepared for the occasion and now a highly prized memento of the visit, preserved under glass. Their Majesties then proceeded to Table Rock, adjacent to Table Rock House, where they viewed, in private, the majesty of the falling waters of the Great Cataract. Resuming their journey of state, Their Majesties proceeded to the General Brock Hotel, where they were to view the special illumination of the Falls. It was the first visit of Queen Elizabeth to Niagara Falls, but the second for King George who, as a midshipman on H.M.S. Cumberland, had many years before paid Niagara an informal visit.

Your Commission has reason to believe that Their Majesties were entranced by their vision of the Falls, and were highly pleased with the surroundings as observed in Queen Victoria Park, named after the King's Most Gracious Great Grandmother.

With the completion of the restoration of Old Fort Erie in 1938 and its opening in 1939, attention of the Commission was largely centred on Ft. George, situated near the mouth of the Niagara River where it flows into Lake Ontario, and which was built by Governor Simcoe when, after the American Revolution, Fort Niagara, across the river was handed over to the newly constituted United States. As recorded in previous annual reports, then Commissioner Fred Beard, St. Catharines, worked continuously on the securing of authoritative data on old Fort George, with the assistance of the Canadian Militia Department, and it was possible to proceed with reconstruction of the fort with all the original plans available. Work proceeded energetically on the site which is across the highway from the Canadian Militia encampment at Niagara-on-the-Lake, and arrangements are complete for its opening July 1, 1940, beyond the purview of this report.

STORY OF FORT GEORGE

In this connection the following resume of the story of Fort George, prepared by Ronald Way, Historian of the Commission, will be of interest:—

> Built shortly before the troubled days of 1812-14 when the United States and Canada were at war, picturesque Fort George at Niagara-on-the-Lake was originally designed to keep Americans off British soil. Today it is being restored by the Niagara Parks Commission as a tourist attraction to help bring American visitors to Canada.

Hon. T. B. McQuesten, K.C., Chairman, greeting Their Majesties in front of the Administration Building

Hon. T. B. McQuesten introducing members of the Commission to Their Majesties

There were three distinct phases in the existence of Fort George. After the first of these phases, and throughout the second and third, the fort was so altered in appearance and design that it is simpler to imagine that two quite different forts occupied the same site at successive periods.

The original fort was constructed by Lt. Governor Simcoe between 1797 and 1799 to replace Fort Niagara which was transferred to the United States after the American Revolution. Fort George was the principal British post on the Niagara frontier until 1813 and occupied a height close to the rivers bank nearly a mile above the town on Niagara. After a brave resistance by its garrison, it fell to the Americans during the battle of Fort George on May 27, 1813, but before withdrawing, the British garrison set fire to the buildings and blew up the earth works.

Between 1799 and its capture and destruction on May 27, 1813, there were no important alterations in its structure. An official military report of the spring of 1812 describes Fort George as: "An irregular field work, consisting of six small bastions faced with framed timber and plank connected by a loopholed stockade, 12 feet high outside where there was a shallow dry ditch." The solid earth bastions were floored with plank to form platforms for cannon and the parapets pierced with numerous gun embrasures.

There were originally two roads leading into the fort passing approximately through the centres of the north-west and south-east lines of stockade. The ditch was crossed by small wooden bridges and each gateway protected by a triangular outwork known as a redan. At the beginning of the War of 1812, the southeast entrance proved to be an unnecessary source of weakness and was permanently closed.

In 1812 the armament of Fort George consisted of 5 guns; one 12 Pdr. and two 24 Pdr. long guns and two mortars. The three long guns were placed as follows: one of the 24 Pdr. in the north-east bastion, the other 24 Pdr. in the north bastion, and the 12 Pdr. in the west bastion. The two mortars were mounted in the east and south bastions.

Within this first Fort George were five blockhouses which served as defensible barracks for the troops, separate officer's quarters, a guardhouse, storehouses, a kitchen and a powder magazine. There was also a small octagonal blockhouse in the redan on the south-east front. All of the blockhouses were constructed of squared logs, two stories in height and had splinter-proof roofs. The largest of these was about the same size and design as the stone barrack in Fort Niagara, was nine feet higher and considered to command every part of the American Fort. The powder magazine was built of solid masonry with bomb-proof arches. It was enclosed by a thick, high embankment of earth, to protect it from gun-fire.

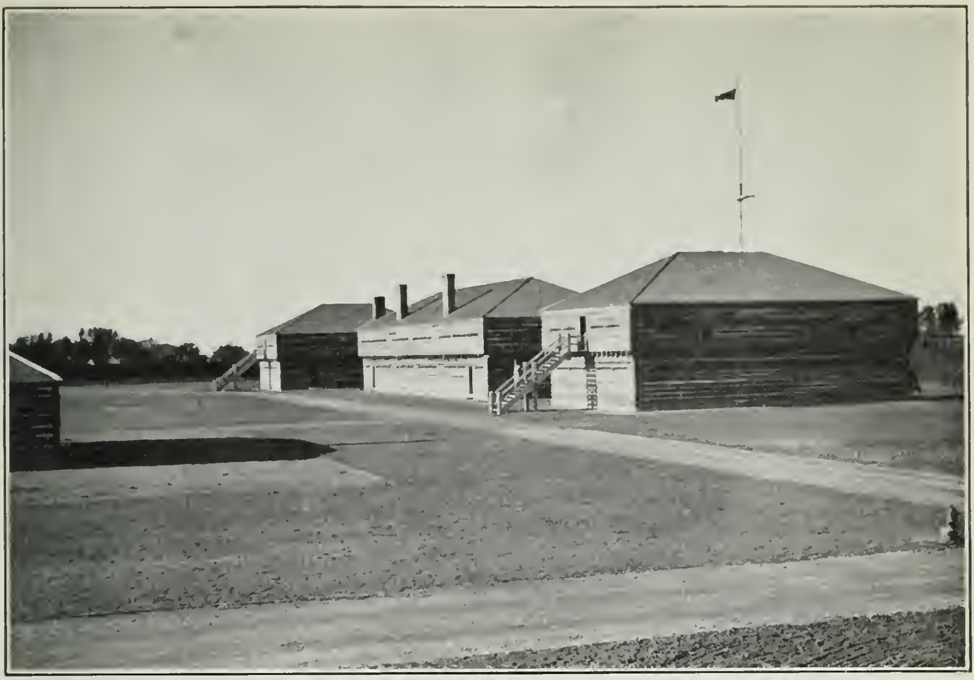
On the margin of the river and immediately in front of the fort were four clapboarded buildings known as Navy Hall, which had been constructed during the American Revolution to serve as winter quarters for the officers and seamen of the provincial marine on Lake Ontario. Nearby, was a good sized wharf and, at this period, these buildings were utilized for military stores. The largest, frequently referred to as the Red Barracks, is in existence today and has been restored by the Niagara Parks Commission.

Early travellers were favourably impressed with the appearance of the original Fort George. In 1800, John Maude wrote that the situation was pretty, the fort new and remarkably neat, built on the edge of a handsome green or common and skirted with a few tolerable houses. Another traveller, who visited the Fort in 1806 has recorded that it was built of cedar pickets and earth, the buildings on it of much neatness. In 1807, the American, Christian Schultz, was no less pleased.

While the average layman was considerably taken with the appearance and apparent strength of Ft. George, engineer officers had far less confidence in its military effectiveness. Sir George Prevost wrote upon his arrival in Canada, that Fort George was but a temporary field work, incapable of much resistance against an enemy in force. In February 1913, the officer commanding the Royal Engineers in Canada, reported that the fort was in a very ruinous and unfinished state, and might have been better situated for it neither commanded the entrance to the river nor protected the town of Niagara. He recommended that the lines of stockade should be replaced with solid earth ramparts in order to afford adequate protection against gun-fire, that the upper stories of the blockhouse as they were too greatly exposed be taken down, and that the storehouse at Navy Hall be removed from the river bank to prevent their complete destruction in the event of an attack. Within two months, the fall of Fort George to the Americans demonstrated the soundness of this criticism.

As previously mentioned, the original Fort George was almost completely destroyed on May 27, 1813. Portions of the stockades and barracks not annihilated by the enemy's guns, had been fired by the British. Only the solid masses of the bastions and the stone powder magazine remained. In order to strengthen their hold on British territory during their more than six months' occupation of Niagara, the invaders constructed a field work upon the ruins of the British Fort. This was the second Fort George.

The outline of this American Fort is easily traceable before the present restoration work. Enclosing only one half the area of the original Fort George, its five "full" bastions were connected with curtains of solid earth—a more suitable arrangement than the former British stockade. The ditch was deep, and there was a line of picketing on the berm between the escarp and the exterior slope of the parapet. Three long barracks were built by the invaders to house their garrison. They were hastily constructed and only of a temporary nature. Being outside the new



Fort George (restored) Niagara-on-the-Lake

Navy Hall showing new roadway

Fort, the former British powder magazine could not be utilized, and the American magazine was no more than a structure of logs and earth.

The main body of the Americans was encamped between Fort George and the town of Niagara. In addition to reconstructing the Fort, the Americans extended trenches in a straight line from its north-west bastion to St. Mark's Church in Niagara and thence south-east to the river bank. The Fort thus formed the left of an extensive entrenched camp.

So rapid was the British advance of December 10th, 1813 which compelled the American evacuation of Niagara, that while the enemy were able to set fire to the town, they were prevented from seriously damaging Fort George. On December 22nd, Lieutenant-General Drummond advised Sir George Prevost, that as none of the works were materially injured, the Fort could be placed in a respectable state of defense in the Spring without much labour.

During 1814 and 1815, the British constructed within the recaptured Fort two large splinter-proof barracks and a new stone powder magazine. One barrack was 110 feet long, the other 75 feet, and both 25 feet wide. In order that the building might be concealed by the ramparts, they were low with only seven feet of interior head-room and each was divided by brick partitions into four rooms. This second stone powder magazine survived until the beginning of the present century.

No further improvements were made at Fort George. The war of 1812 had made obvious the defects in the position of the Fort and military authorities were now unanimous in their condemnation of the site. In the Spring of 1814, the British had began the erection of a field work at Mississauga Point, a superior site which completely commanded the mouth of the river. Major-General Robinson wrote to Sir Gordon Drummond in July the following year that:

"Fort George is of no military value as a work of defence although it serves the very useful purpose and also contains a magazine and Ordnance Stores. I beg leave therefore to recommend its being left untouched for the present as it will gradually crumble away and may be destroyed at any time in a few hours by small mines in the salient angles of the Bastions."

The decision of the commander-in-chief was set forth in a letter to Lord Bathurst of August 15th, 1915:

"It has become almost indispensable requisite for the securing of the Harbour and neighboring district of Niagara to enlarge the Fort at Mississauga Point, which at the time of its construction, amidst the greatest difficulties was laid out on a scale, so circumscribed, as nothing but the existing deficiency of means would justify. In consequence, I have given orders that the expense of keeping up old and useless Fort George, already tumbling into ruins be discontinued."

Perhaps the most important decision involved in the restoration of Fort George was the period of its history which the reconstruction of would represent. It was the first Fort George which withstood the American attack in 1812 and within which General Brock was buried. The second Fort as built by the Americans and afterwards occupied by the British was never attacked and had few historical associations for Canadians. For these reasons it was decided that the Fort might best be placed in its original state as built by the orders of Lt.-Governor Simcoe in 1797.

The work of restoration has been in progress since the spring of 1937 under the direction of the Niagara Parks Commission and is expected to be completed by July 1, 1940, when the Fort will be officially opened to the public.

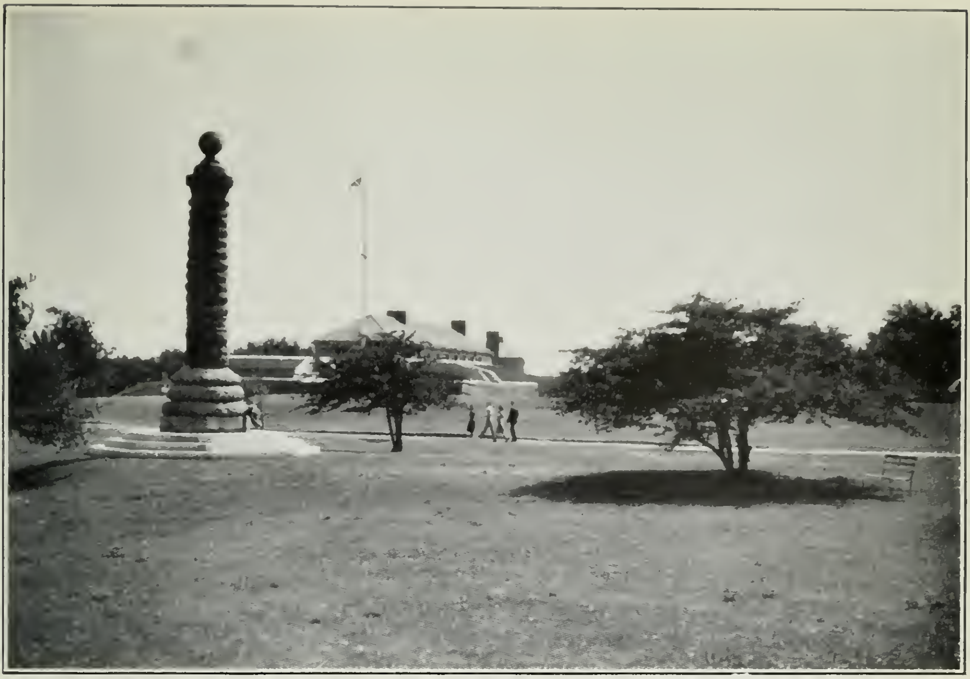
The bastions, stockades and other defenses have all been carefully rebuilt according to the original plans of the Royal Engineers. Eleven of the fourteen original buildings have also been restored. The officer's quarters, some of the soldier's barrack rooms, the guard room, the kitchen and the artificer's shop are being refurnished as they were lived in by the troops of 1797 to 1812.

The Fort will be open from 9.30 a.m. to 9.30 p.m. daily commencing July 1st.

Re-Opening of Old Fort Erie

During the tenure of office of this present Commission, Old Fort Erie, which has been allowed to fall into neglect, its very stones being removed for rock gardens and other uses, has been reconstructed. On July 1, 1939, the Old Fort was officially re-opened.

Garrisoned by soldiers wearing the picturesque uniforms of 1812, and with old guns of that date reconditioned and ready to fire, the Old Fort was in gala attire. Hon. T. B. McQuesten, chairman, and members of the Commission, were present for the occasion. Members of the Frontier Branch, Canadian Legion of Fort Erie, and members of the Buffalo Legion Post met at the International border at the Peace Bridge, and marched to the Fort, headed by a



Old Fort Erie (restored) showing Soldiers Monument

Fort Erie (restored)

Highland band. Memorial services were held on the greensward near the Pavilion in the Park. Capt. Rev. Henry Cotton, Chaplain of the Fort Erie Legion, reciting the services for the British dead at the base of the newly located Memorial to the heroic dead, while Lieut.-Col. Rev. Roman Newer, Chaplain, 106th Regiment, New York National Guard, officiated on behalf of the Americans for those who, under the Stars and Stripes, gave up their lives in attacks on and defense of the Fort in the War of 1812. Addresses were delivered by Hon. T. B. McQuesten, Chairman, and Hon. W. L. Houck, of the Niagara Parks Commission, and by Robert W. Bingham, Director of the Buffalo Historical Society, and Mayor George Bown of Fort Erie.

The historically accurate drawbridge over the moat into the Old Fort was then operated, and the party proceeded to the interior of the Fort, one of the ancient guns was fired, and the museum and other parts of the Old Fort thrown open to the public.

A pageant covering the life of the area from the time of the Indians, through the arrival of the French, the British, the pioneers, then the erection and defense and capture of the Fort, was presented evenings on three occasions.

CONSTRUCTION WORK DURING THE YEAR

Your Commission continued the work of improvement, the engineering section being busy. All contracts let during the year were awarded to the lowest tenderer, after public notice had been given. A summary of the work accomplished, as prepared by the Engineering Department, follows:

1. Restoration of Fort George continued.
2. Restoration of Old Customs House near Navy Hall.
3. Asphalt pavement with stone curb from Main Road, south of Fort George to Ricardo Street, north of Navy Hall, Niagara-on-the-Lake.
4. Asphalt pavement with concrete curb and gutter along Queen Street in the village of Queenston from Clarence Street to Bridge over H.E.P.C. tracks.
5. Asphalt pavement with concrete curb and gutter from Queen Street near Mackenzie House along old I.R.C. right-of-way to No. 8A Highway.
6. Stone Steps and pillars between Brock's Cenotaph and No. 8A Highway.
7. Addition to Mackenzie House.
8. Spacious parking area of asphalt and stone curbing in Queenston Heights Park.
9. Commencement of construction of New Restaurant building at Queenston Heights Park.
10. Spacious parking area and improvement to main road in front of Niagara Glen consisting of asphalt, and concrete curb.
11. 1-Room addition to back of Training School, of stone construction to replace small wooden porch for cold storage.
12. Asphalt pavement and stone curb in Queen Victoria Park between Table Rock House and entrance to the C. N. Power Company Parallel to old road. Resurfacing old road and constructing stone curb.
13. Spraying and chips roadway Niagara Falls to Niagara-on-the-Lake.
14. Spraying and chips roadway Fort Erie to Niagara Falls and Queen Victoria Park.
15. Asphalt pavement and concrete curb along Water Street in village of Chippawa.
16. Widening of Frenchman's Creek, Miller's Creek, Baker's Creek and Boyer's Creek bridges and approaches.

View of the Niagara River from Fort George. Fort Niagara (on the American side) in the background

Queenston Restaurant

17. Stone sea wall backed up by concrete retaining wall in Mather Park between Walnut Street and to a point about 3,000 feet southerly along the Lake Shore.

18. Asphalt pavement with stone curb from Walnut Street south to Garrison Road and Peace Bridge Entrance.

19. Traffic circle of asphalt and concrete roll curb together with widening of Lake Shore road from Garrison Road to a point southerly, Fort Erie.

20. Mather Park Gateway constructed at foot of Garrison Road in Mather Park.

21. Asphalt pavement with concrete curb into Fort Erie Park together with Parking area.

22. Alterations to Pavilion and Restaurant in Fort Erie Park together and Stone Entrance Gate.

23. Completion of Restoration of Old Fort Erie including relocation of Soldiers Monument.

LAND PURCHASES IN YEAR

In accordance with its continuous policy of purchasing all abutting properties which came on the market, when a fair price was reached, the Commission during the year made several such purchases.

The major property was that of John D. Larkin, Inc., 32 acres of land in the Township of Niagara, purchased at a cost of $20,000. Second largest purchase was of the Ferguson property, Fort Erie, on which were located three houses. These were sold and removed. The purchase price was $12,000, of which the Peace Bridge Authority paid $2,000 and received $100.84 back from the sale of the three houses which were removed. The Commission received $504.16 from the house sale. The third major purchase was International Railway Company property near Queenston Heights Park, originally purchased as a hotel site. The I.R.C. asked $9,500 for the property, but accepted $8,000 from the Commission in Canadian Funds. The property consists of 13-6 10 acres.

Other properties purchased during the year were:

Lands situated across parkway from the Whirlpool Rapids Elevator Building, $1,600.

Two pieces of land, 231 square feet westerly side of River Road, south of Ricardo Street, Niagara-on-the-Lake, Mrs. Harris W. Price, $1,500.

Water lot from P. E. Garson, at Fort Erie, 561 feet frontage, at $5 a foot frontage, $2,850.

Niagara-on-the-Lake, Col. C. C. Kinney property, $4,000.

Lots 13-18 inclusive, Fort Erie, from Fort Erie Beach Company, Fort Erie, $3,000. This and the Ferguson purchase give the Commission the complete water line area from the Peace Bridge to Old Fort Erie.

I.R.C. SUIT

The International Railway Company entered suit against the Niagara Parks Commission for $241,963 in interest on the amount of compensation it received after the Company gave up operation and ownership of its lines along the Canadian side of the Niagara River in 1932.

Until 1932 the Company, which is incorporated under the laws of New York State, operated the Railway along the Niagara River's west bank from Queenston to Chippawa, under an agreement made on Dec. 4, 1891, with the Parks Commission.

The agreement gave the Company the right to continue operations for forty years and contained provisions for renewal at the end of that period. On Sept. 1st, 1932, when the agreement expired, the company did not renew its Canadian rights, abandoning the line, possession reverted to the Niagara Parks Commission. Three arbitrators were later appointed to decide upon compensation.

In 1935, following arbitration, the compensation was set at $179,104. An appeal was launched, however, and in 1937 the amount was determined at $1,057,436 by the Privy Council.

The Commission paid the International Railway Company $1,057,436 plus interest from 1935 to 1937. The Company claimed interest from 1932 to 1937, less the $23,783 of interest already paid.

The action was heard by Mr. Justice Kelly in non-jury high court. The company was represented by J. W. Pickup, K.C., and Colonel J. W. G. Thompson, the Commission by Arthur Slaght, K.C., M.P., and R. I. Ferguson, K.C.

The Niagara Parks Commission claimed the agreement contained no provision requiring to pay interest on such compensation, and that it is immune from liability in the action by reason of being an agent of the Crown. It also claimed the International Railway Company was not entitled to interest on the compensation until the amount of compensation was fixed.

The action was dismissed with costs. Reasons for judgment were given by Mr. Justice Kelly.

The Commission was naturally pleased with this ending of the lengthy litigation, which cost the Commission nearly $1,500,000 in the award, the costs of arbitration, appeal to the Appellate Division of the Supreme Court of Ontario, appeal to the Privy Council, and finally appeal over the Interest. Unfortunately a further appeal has been made to the Privy Council.

ORIGINAL PRESS SECURED

After long negotiations, the Commission purchased, at a cost of $500.00 from H. J. Pettypiece of the Forest Free Press, the original press of William Lyon Mackenzie, upon which were printed the weekly copies of "The Colonial Advocate", at Newark (Niagara) and later used in Toronto, where it was thrown into the Bay and eventually recovered. It will be set up in the William Lyon Mackenzie home at Queenston.

The Commission authorized its historian, Ronald Way, to secure printing equipment which would likely have been used in the time of William Lyon Mackenzie and "The Colonial Advocate".

In connection with the authenticity of the William Lyon Mackenzie Press, the following letter appeared in the Toronto Globe and Mail.

MACKENZIE'S HISTORIC PRESS

To the Editor of The Globe and Mail:

Recently some doubt has been expressed by your readers as to the authenticity of William Lyon Mackenzie's old hand press which has now gone to a well earned rest provided by the Niagara Parks Commission.

The following information in regard to this Press appeared in a history of Parkhill's newspaper prepared and published in 1909 and may serve to clear up the doubtful points.

"Mr. Wallace Graham in equipping his first plant in the Parkhill Gazette had become the possessor of the old William Lyon Mackenzie Printing Press on which the 'Colonial Advocate' had been printed and which, with the type, the so-called patriots threw into Toronto Bay on June 8, 1826. The Press was recovered and was used again by Mackenzie in the troublous times of 1837-38. In 1872 the Gazette office was located on King Street near the first Powell house which was that year destroyed by fire. The fire spreading did some damage to the Gazette plant and the Mackenzie Press was put so much out of repair that it was sold to the late H. C. Baird of the Eagle Foundry for old iron. Mr. Baird, out of veneration for it, refrained from breaking it up.

"In the early eighties T. Claude Dean published the 'Parkhill Herald' for nearly two years. Being of a mechanical turn of mind, he bought the old Press and with the services of the Eagle Foundry staff had it put into working order once more with a rolling cylinder substituted for the former lever attachments. In the destruction of the Herald plant by fire the old Press was again badly damaged and once again its old irons found their way to the scrap heap of the Eagle Foundry."

Over sixty years ago, Mr. H. J. Pettypiece, Editor of the Forest Free Press, visited this scrap heap and once again rescued the Press, having it repaired into good working order, and I believe with the old lever attachment. Since that time the Press has been, until recently acquired by the Niagara Parks Commission, part of the equipment of the office of the Forest Free Press, and has been in constant use, I am told, as a proof press and for some job work, such as auction sale bills.

The Press was used on a float prepared by one of the Toronto papers (I believe it was the Globe) during the Old Boy's celebration some ten or twelve years ago, through the courtesy of Mr. Pettypiece.

I hope this letter will clear up any doubt as to the authenticity of this Press, and that due credit will be given to "Mr. Pettypiece, veteran publisher, for the preservation of this historical relic."

Mary J. Dawson, Editor.
The Parkhill Gazette.

QUEENSTON RESTAURANT

After many years' service, the Restaurant at Queenston Heights Park, adjacent to the General Brock Memorial, was found to be past all hope of repair. The Commission therefore, called for tenders for a new stone structure, with red tile roof, in keeping with the general lines of the Commissions' architecture throughout the Parks System, which was constructed early this Spring. The old building was so dilapidated as to be entirely out of keeping with the surroundings, which include in addition to the Brock's Monument, the site of Fort Drummond, the Laura Secord Monument and the site of the Battle of Queenston Heights.

The Contract for the new structure, plans for which were carefully gone over by the Commission, and changes suggested, was awarded and completion date set for April 1, 1940.

The old building was located without regard to possible vistas. The new building was erected on the side of the Queenston Escarpment, one story to the south and two stories to the north, where it is possible to get a view of the Lower Niagara River extending to Lake Ontario, one of the most entrancing views which could possibly be obtained, though without the majesty of Niagara Falls as viewed from the Park Restaurant in Queen Victoria Park.

The old building was removed after tenders had been called. Such equipment as was of value under the new conditions was retained and transferred.

Apprentice Gardeners' School

The year saw the culmination of the first three-year class at the Apprentice Gardeners' School at the Niagara Glen. A dinner was tendered by the Commission to the graduating class, the members of the intermediate and junior classes, and the parents of the boys. To Mr. James Waters, Hamilton, was awarded the scholarship for the three years, this consisting of a year's stay at Kew Gardens, London, England, and travelling expenses to and from the Empire metropolis. (It is perhaps significant that when offered the opportunity to withdraw from the course, taking instead a cash award, because of the threatening war conditions, Mr. Waters decided to proceed according to the original plans and went over, greatly enjoying the work and the contact at this famous upper school for gardeners. No students are admitted, it should be noted, unless they have formerly served as apprenticeships or served in horticulture actively.)

At the graduation dinner, members of the Commission spoke briefly, and expressed their satisfaction that the classes had proven so successful. Tribute was paid to the instructors of the class, who were also guests of the Commission for the ceremonies. Diplomas were presented to each of the seven graduates.

L. G. Riley, the exchange student sent by Kew Gardens under the scholarship arrangement, has fitted in splendidly with the other youths constituting the classes.

Placement of five of the seven graduates on the Commission staff was made as follows:

Ray Halward, propagator at the Training School.
Alfred Pain, sub-foreman, greenhouse.
Hugh McCracken, foreman, Mather Park.
William Holmes, sub-foreman, Queen Victoria Park.
Jack Martin, treeman.

School Activities in Year

The year's activities at the School are reviewed in a report by Mr. K. M. Broman, Superintendent of Arboriculture, as presented to the Commission as follows:—

"I beg to submit a report of the Training School for Apprentice Gardeners from December 1, 1938 to November 30, 1939.

During the Winter of 1938 and 1939 our lecture and work schedule arranged for the term worked splendidly. We were able to teach the students the theory behind the work they do. They also spent 3,928 hours learning the practical side of tree-surgery and the culture of annuals and perennials in the Park Greenhouse and Queen Victoria Park. When the weather permitted they enjoyed recreation on their ice-rink behind the garage and this sport tended to bring them into closer fellowship.

Early in April we planted vegetable seeds in the cold frames in order to have an early and good supply of vegetables for the Restaurants. In May we transplanted these vegetables, including cabbage, cauliflower, melons, squash, etc., to our kitchen garden in the northern section of the School Grounds, Carrots, turnips, beets, broccoli, Kale, Brussel Sprouts, parsley, rhubarb, corn, peas, in short everything there is a market for, were planted in the open ground in May and we had a very good yield of these crops.

After the lectures were over, toward the middle of April, the apprentices spent a week learning the methods in which to make cuttings of various trees and shrubs. They were very keenly interested in this work and they had very excellent results in the percentage of cuttings taking root.

Toward the end of April, when the weather conditions were suitable and the soil was not too wet and sticky, we started our spring planting of trees and shrubs. We planted approximately seventy-five different species and varieties of roses, and fifteen different kinds of lilacs and spirea in a border along the Parkway in the north of the School Gates. In addition to this we planted hundreds of evergreens, one hundred hawthorns, three hundred poplar trees and about the same number of pyramidal maples in the vicinity of the Whirlpool. Two hundred and fifty Amelanchier the Shad-bush or Service-Berry, were planted nearby, and when their leaves turn to bright hues in the fall they will be a sight well worth seeing.

Five hundred trees and shrubs were sent from the Nursery to be planted behind the Administration Building and on the island of the naturalistic pond in Queen Victoria Park. In our Nursery rows at the School we set out thousands of seedlings or cuttings of forsythia, snowberry, willow, roses, etc., which we had germinated or produced in our cold frames. Four thousand and fifty black walnut trees, grown from seed in 1938, were taken down to Niagara-on-the-Lake to be planted near the 14,000 pin oaks, 1,800 Norway Maples and 7,100 scarlet oak which were planted in our sub-nursery down there in the Spring of 1938. Two hundred and seventy shrubs of different sorts (including Taxus) were sent to Oakes Garden Theatre in the spring and one hundred and thirty Bean-Trees were taken down to Mather Park this fall. In addition to this we had two students go down to the Military Camp, Niagara-on-the-Lake, and assist in planting a hedge consisting of seven hundred Caragana arborescens, the shrubs being removed from our Nursery rows. The Coronation Oak are growing very well.

Raspberry plants, donated by Mr. Broman, were set out in the vegetable garden this year occupying an area of four thousand and eighty square yards of land, and strawberry plants taking up an area of three thousand four hundred square yards, and also rhubarb occupying two thousand square yards of land.

The Flag-Pole for the school arrived Tuesday, May 16, and was put in place May 26, 1939. We were very pleased to be able to fly the Union Jack the day the King and Queen drove by the School, Wednesday, June 7, at 6.30 p.m. Many people again remarked about the beauty and splendor of our Iris borders along the edge of the Parkway and their blooms were at their best when the King and Queen came by.

Our Peony collection planted in the Fall of 1937 and consisting of over three hundred and thirty varieties bloomed for the first time this year and they attracted many tourists. Also, our two hundred varieties of Phlox bloomed very well throughout the summer months even though we had quite a dry summer this year. The collection of hybrid tea roses and the various sorts of lilies were praised by visitors driving into the School to look around.

Quite a historical event took place at the Training School, Friday, July 14th, 1939, when the first class of apprentice gardeners to come to the School (July, 1936) were graduated on that date. All the Apprentices at the School, the Staff, and the parents of the Graduating Class attended a banquet given by the Commissioners in honour of the graduates and at which the diplomas and scholarships were awarded to them. James E. Waters from Hamilton, received the Scholarship to go to Kew Gardens in England and study for one year. He sailed July 21, and is enjoying the work and experience at Kew very much.

Leonard G. Riley, the exchange student from the Royal Botanical Gardens, Kew, England, arrived at the School, Saturday, July 29, 1939, and we are greatly pleased with his active interest in the work at the School.

After July 14, we had only eighteen students at the School. We sent the students, alternating them, up to work at Oakes Garden Theatre, Queen Victoria Park, or the Greenhouses. In August and September the apprentices were sent down to work at Fort George and they carried on excellent work in grading and making preparations for landscape work to be done there.

During the latter half of July and August the apprentices were busy weeding the nursery stock, pruning, and doing general maintenance work at the School, besides making many improvements in the grounds around the Lecture Hall and Residence.

Mr. Hamilton, our Botany Teacher, was able to give each of the students practical work in botany during the summer months. He took one student with him each day to assist him in collecting specimens of the wild plants found in various sections of the Niagara Parks Commission's properties. The students were taught how to identify plants unknown to them at first, and they took a great deal of interest in this work.

We are quite pleased to report the excellent work of Hugh McCracken, one of our graduate students, who came from Brantford. He is the foreman at Mather Park, Fort Erie, and has proven himself very reliable. Ray Halward, Alfred Pain, William Holmes and Jack Martin, all graduates of this year, are doing excellent work in the various jobs in which they are employed in the Parks System.

Thursday, August 31, 1939, eighteen apprentice-gardeners were taken to the Canadian National Exhibition, in Toronto, and they spent a very profitable day there.

During the latter part of July, August and September we had the students make many thousands of phlox, purple-leaved plum, red-leaved barberry, and conifer or evergreen cuttings, and these were placed in the cold frames. This type of work is very valuable to the students and next spring we should have hundreds of these plants to grow and take care of, for future planting throughout our Parks System.

Norton Weaver, a Second Year Apprentice, left the School September 5, 1939, to help his father at home on the farm.

In October and November great quantities of seed were collected from the shrubs and trees in the nursery rows and the country side, and this seed was stratified toward late November The great majority of it will be ready to be sown next spring.

Our new tractor arrived at the School, September 26th, and it has proven of great advantage, being very powerful and enabling us to carry on our fall ploughing at a much greater rate. The new manure-spreader has saved us much time and is very useful.

The new cold storage addition to the kitchen at the Training School was sorely needed and we were pleased when it was finished by the stone masons on September 29th.

We were able to get a good start with the new students on October 2nd, as they all started at the very same time, and they are very interested in their work.

One hundred pullets were purchased and came to the School October 4, and were housed in the poultry building. They prevent waste by cleaning up the scraps from the kitchen. The Swans were brought down to the School in October and we fixed a pond for them and they are fine.

A new lily-bed, with helleborus in between the lilies, was planted near the Residence starting October 23, and it together with the display of hundreds of tulips planted nearby, should be very attractive next spring.

Friday, November 3, the students held their Hallow-e'en party and dance in the Lecture Hall and it was a great success. Doctor Snyder and Mr. Kaumeyer visited it and complimented the boys on their decorative work.

A successful Flower Show bringing many hundreds of people was held at the Glen Restaurant, Saturday, Sunday and Monday, November 18, 19 and 20, respectively. Attractive trees and shrubs from the School Grounds were arranged by the students, on the verandah outside the Restaurant and were an excellent addition to the chrysanthemums within.

This fall we have carried on a great deal of our arboretum planting. Widespread changes will be observed in the School Grounds by next spring. Landscape work is being carried on by the apprentices, down at the Mackenzie Building and Queenston. Owing to the very favourable weather for our outside work lectures will not commence before Christmas this year.

Two thousand six hundred and twenty-four quarts (2,624) of canned fruits, conserves, etc., were preserved this fall in the kitchen at the Training School. This includes tomato juice, beets, cherries, red currant jelly, gooseberries, prunes, pears, plums, beans, peach conserve, peaches, chilisauce, grape jam, citron and applesauce, etc. With the exception of the grapes and peaches everything else was obtained either at the School, being grown in the vegetable garden, or from orchards and lands belonging to the Niagara Parks Commission.

May I permit myself to say that the students are very interested in their work and that the personnel at the school have all been doing very satisfactory work.

"K. M. BROMAN",
Superintendent of Arboriculture.

A Report of the Work done outside the Training School Grounds by the Apprentice-Gardeners

DECEMBER 1, 1938, TO NOVEMBER 30, 1939.

Third Year (Year '39)—(These students graduated July 14, 1939):

Greenhouse	936 hours
Oakes Garden Theatre	328 ”
Queen Victoria Park	96 ”
Glen (Sodding)	80 ”
Assisting Entomologist	72 ”
Sickness and Absence	108 ”
Lectures	185 ”
Time Assisting Botany Teacher	80 ”
Queenston (Tree Pruning)	168 ”
Total	2053 hours

Second Year (Year '40)—(Third Year after Year '39 graduated):

Greenhouses	1368 hours
Oakes Garden Theatre	504 ”
Queen Victoria Park	320 ”
Sickness and Absence	468 ”
Lectures	221 ”
Time Assisting Botany Teacher	140 ”
Queenston (Tree-Pruning)	400 ”
Spraying	108 ”
Grading (Table Rock)	128 ”
Mackenzie Building (Landscaping Work)	368 ”
Queenstone Restaurant (Landscaping Work)	104 ”
Queenston (Planting Bulbs)	80 ”
Assisting Hydro Mark Cable	72 ”
Trips (C.N.E.)	72 ”
Military Camp, Niagara-on-the-Lake	80 ”
Total	4433 hours

First Year (**Year '41**)—(Second Year after Year '39 graduated):

Greenhouse	1624 hours
Oakes Garden Theatre	1200 "
Queen Victoria Park	368 "
Glen (Sodding)	32 "
Sickness and Absence	632 "
Lectures	152 "
Time Assisting Botany Teacher	118 "
Queenston (Tree-pruning)	296 "
Spraying	320 "
Grading (Table Rock)	112 "
Mackenzie Building (Landscape)	288 "
Queenston Restaurant (Landscape)	96 "
Trips (C.N.E.)	80 "
Whirlpool	64 "
Niagara-on-the-Lake and Fort George (Landscape)	224 "
Glen (Tree-pruning)	48 "
Total	5654 hours

First Year (**Year '42**)—(Students who enrolled October 1st, 1939):

These students are gaining experience at the school before being sent to work at outside points.

Lectures	10 hours
Total	10 hours

Total for Third Year	2053 hours
Total for Second Year	4433 "
Total for First Year ('41)	5654 "
Total for First Year ('42)	10 "
Grand Total	12,150 hours

HORTICULTURAL ACTIVITIES

The Report of John Oakes, Chief Gardener, Queen Victoria Park, covering the year's activities, reads as follows:—

"During the months of January, February and March, lectures of floriculture, greenhouse work, and vegetable gardening were given at the Training School from 2.30 to 3.45 each afternoon. This included Monday, Tuesday, Wednesday, Thursday and Friday. No lectures on Saturday, general supervision of the Greenhouses and Grounds along with preparation for the lectures taking up the rest of the time.

In the Greenhouse propagation starts in February and constant care has to be exercised to see that sufficient material is available for spring bedding and for cut flowers.

Grass cutting machinery is overhauled at this time. All the cutting units are cleaned, repaired and ground. Queenston Heights Park, Niagara Glen, Lundy's Lane and the Old Fort are included.

Spring work begins in April and the grounds are cleaned, shrub beds dug, and planting and propagation carried on at the Greenhouse.

On or about the 24th of May spring bedding is started. During the year 1939 approximately 20,000 plants were used in the Park Beds, 18,000 to 19,000 in Oakes Garden Theatre, 2,000 at Queenston Heights and 800 at Lundy's Lane, also the planting of plants for cut flowers at the Greenhouse along with the dahlias and gladioli.

Some 5,700 crataegus comprising 140 varieties, 76 malus, 5 varieties and 5,458 flowering shrubs, 146 varieties were sent to the Glen Nurseries. These were propagated and grown at the Greenhouse.

A supply of flowers was commenced at the Restaurant May 19 and continued until September 29. During that time 246 dozen Tulips, 511 dozen Gladioli, and 2,803 dozen other flowers was supplied. There were also several occasions when large quantities were required.

Decorative plants and palms were used during the season, both in the Restaurant and the Commissioners' Chambers.

Herbaceous plants were supplied from the Greenhouse Gardens to Oakes Garden Theatre, Glen Nursery and the Park.

During the summer months the supervision of the grading between Table Rock and the Canadian Niagara Power Company was carried out and seeding completed as far as possible. The sod at the southern end of Table Rock was left to a late date to enable us to use this for repair work in the Park Grounds.

Approximately 17,000 new spring Flowering Bulbs were planted in Oakes Garden Theatre, 17,000 in Queen Victoria Park, 2,100 at Queenston Heights along with from ten to twelve thousand old bulbs.

Approximately 5,000 violas were planted at the Oakes Garden Theatre, 7,000 in Queen Victoria Park and 400 at Queenston. These were raised at the Greenhouse.

At the Canadian National Exhibition the exhibit of the Hydro Commission of Ontario was landscaped with lawn and shrubs. This was much appreciated by the Hydro Staff.

During the King's visit the decorations along the driveway, front of the Restaurant, Souvenir Stand, Glen Restaurant, Queenston Restaurant and the Gateway at the Training School were hung. Special flowers beds were planted and the front of the Administration Building was decorated with flowering plants.

Chrysanthemums were grown at the Greenhouse in preparation for the annual Winter Fair exhibit, but owing to the outbreak of war, the cancelling of the Winter Fair, and the closing of the driveway past the Greenhouse the public were unable to see them. A display was erected at the Glen Restaurant and was fully appreciated by the public.

In the Greenhouse a supply of cut flowers is kept up as far as possible and the decorative plants and palms, which are used extensively in the Restaurant and Commissioners' Chambers, are cleaned and repotted during the winter months in preparation for the following season. 300 Cyclamen are grown.

The open fall made it possible to do much work on the grounds in preparation for the spring of 1940.

A desire is expressed at all time by the Horticultural Department, to co-operate with all departments so that the work of the Park System may progress with harmony and advantage to all.

"J. OAKES",
Chief Gardener.

APPOINTMENTS

Mr. and Mrs. J. E. Large, were named caretakers temporarily of Fort Erie Pavilion, later Mr. Large was named foreman carpenter, to succeed the late James Davidson and the post of caretaker at Fort Erie was given to Mr. P. Hershey, Fort Erie.

Mr. J. McEniry was retired as manager of the Park Restaurant, and Mr. J. A. Ingram, who had a splendid record of service in wide capacities, was named to replace him.

FATALITY MUCH REGRETTED

Charles Anderson, stone cutter, and James Davidson, carpenter foreman, were in a serious accident on September 20, when the car in which they were returning to the shops went down the ravine at the intersection of the Niagara River Parkway and Victoria Avenue. Mr. Davidson suffered a broken back and internal injuries, resulting in his death on October 21. Mr. Anderson sustained severe internal and external injuries.

The Board authorized payment of two months' salary to the widow of James Davidson and the question of compensation to Mr. Anderson and Mrs. Davidson was left to the Workmen's Compensation Board, the Commission meeting the award made by that body.

Ben Prior, employee at the greenhouse for the past 36 years, was struck by a car while travelling along the roadway to his home and was unable as a consequence, to do any heavy work. In recognition of his long, faithful and efficient work, the Commission authorized that he be kept on the pay roll at $25 a month, to do only light work at the greenhouse when his health permits.

The body of J. J. Shea was recovered from the Whirlpool on June 28.

The body of Mrs. Maud Cross, missing since December 17, was found on the river bank near the Whirlpool on February 12.

FIRE PROTECTION

The question of fire protection for the properties of the Niagara Parks Commission, stretching from Old Fort Erie on Lake Erie to Fort Mississauga on Lake Ontario, is a vital one, and has been before the Commission for some time. As a result of consultation with the Falls View Hose Brigade, it was decided to pay that volunteer corps for all services rendered, and with Stamford Township, arrangement was reached to pay for all fire fighting service given within the Township limits, in connection with grass fires.

The major issue was with the City of Niagara Falls and after several meetings with the City Council representatives, it was decided to pay $500 a year for complete service from the city limits on the north to the limits of Queenston escarpment, including the W. L. Mackenzie Home, plus a time basis for fires handled below the escarpment. Service within the city limits will be given as for any other property so situated.

Another agreement made with the City of Niagara Falls provided for amicable division between the City and the Commission for snow removal and summer cleaning of the River Road within the City limits.

APPRECIATION OF GIFTS

Your Commission was represented at the joint annual convention of the American Institute of Park Executives and the American Parks Society, by Commissioner A. T. Whitaker, who presented a comprehensive report on its activities as affecting such work as is within the jurisdiction of the Commission. Especial honour was paid to the Commission in recognition of Canadian participation actively in the proceedings of the Convention. As a direct result of a contact made at this and the previous convention, through Mr. Henry Teuscher, Superintendent of the Jardin Botanique de Montreal, the Commission in 1940 was made the recipient of a very large and comprehensive collection of rare trees and shrubs which test has shown to be hardy in the Montreal District and which therefore should do exceptionally well in the Niagara District. Through the utilization of these for cuttings in future years, it will be possible to reproduce many of these as specimens or for even more extensive plantings in the Arboretum of the Commission, at Niagara Glen, which in the years to come will be an outstanding attraction and which is one of the most recent developments of the work of the Commission. Opportunity is hereby taken to express the Commission's thanks to the Jardin Botanique de Montreal, and especially to Mr. Teuscher for the co-operation so freely given and the generosity shown in their valuable gift to the Niagara Parks Commission.

The City of Kitchener Board of Parks Management kindly gave to the Niagara Parks Commission two pair of swans and a letter of appreciation was forwarded to the Board. Unfortunately, three swans were removed and killed by marauders, their bodies being found later on. The wilful destruction was much deplored, but even with a reward of $1,000 offered, no clue to the miscreant or miscreants was uncovered.

Dr. D. G. Storms presented the Commission with 1,200 iris plants, and recognition was made of this splendid example of generosity.

The Fort Erie Council offered to supply water gratis for the toilets and rest rooms in the Mather Park Gateway and for watering lawns and gardens in the traffic circle in front of Mather Park at the entrance to the Peace Bridge. A letter of appreciation for the co-operation and courtesy shown by the Fort Erie Council was sent to that body, and also inscribed on the minutes of the Commission.

NEW WORKSHOPS PLANNED

During the year the services were engaged of Mr. Norman Mann, to prepare sketches for a new workshop, to be located in an inconspicuous spot, near the bank at the rear of the Commission properties in Queen Victoria Park where they would be easy of access, yet not a blot on the landscape, as is the present heterogeneous collection of wooden structures located midway between the Park Restaurant and the Administration Building, inconvenient of access and holding valuable lands which could better be used for extension of the rose, perennial and dahlia gardens.

The first sketches submitted were considered much too expensive, and they were revised. War conditions, however, coupled with declining revenue and increased costs necessitated by guarding the Commission properties, forced laying of the scheme in abeyance, to be taken up in times more propitious.

The revised sketches provide for a single storey building, all parts accessible by truck and with separate wall of steel shutter or similar action for blacksmith, sign painters, carpenters and machinist shops, enabling any of these to be shut off from the main area at will. The building will be narrower than first proposed and placed against the bank as close as possible and made also as inconspicuous as possible. The original plans called for an expenditure of $60,000, the revised plans $40,000.

GUARDING HYDRO PROPERTIES

In keeping with the policy of guarding essential points after the outbreak of war, the Commission's permanent and seasonal police, works and horticultural departments' staff and extra temporary men were employed from September 1 to September 15 as guards of the Hydro-Electric Power Commission property adjacent to the Parks Commission property. This guard duty was taken over by the Ontario Provincial Police after that date, until November 1, when the Royal Canadian Mounted Police took over the duties. A further change was made later, when because of the pressure of other duties in the Dominion, the R.C.M.P. were replaced by the Ontario Provincial Police. Later the Department of National Defence took over the guarding of this property, but this did not take place until the end of May, which does not come within the scope of this report.

NO THROUGH TRUCKAGE

Since the Commission Parkway along the Niagara River was not constructed for the handling of heavy tractor and trailer or heavy truck traffic, and the bridges were not built to handle such weights as are now on the roads, the Commission gave instructions to enforce the ban on one of the parkways by through trucks. Delivery trucks for points along the Parkways are allowed.

GRANTS FOR YEAR

Grants made during the year, as in previous years, were as follows;

Women's Historical Society of Wentworth, $800 for care and upkeep of Stoney Creek Battlefield Memorial.

Niagara Falls General Hospital, $200.

Niagara Falls Chamber of Commerce, for publicity assistance, $250.

Niagara Falls Y.M.C.A. half fee of apprentice gardeners who wished to use its facilities during their term.

The Niagara Parks Commission scholarship of $25 to the Niagara Falls Collegiate Vocational School was won by Carl Meuller, Third Year Technical Student. The grant was authorized for the following year.

ENTERTAINMENT

Entertainment extended during the year, aside from the visit of Their Majesties, included:

April 28—Crown Prince and Princess of Denmark and party, Table Rock scenic tunnel trip.
June 4—Hon. Albert Matthews, Lieutenant Governor of Ontario and Mrs. Matthews.
16—Members of Fruit Growers' Association of Ontario, Niagara Blossom Festival and Dominion and Provincial Departments of Agriculture, dinner at Park Restaurant.
July 12—Mr. McIntyre, Department of Labour, New South Wales.
25—Missouri State College Students, Table Rock Tunnel Trip.
August 3—Canadian Weekly Newspapers Association, dinner at Park Restaurant.
9—Scottish Women's Institute, 75 members, Scenic tunnel trip and special meal at 60 cent rate for Park Restaurant.
9—Party of English Cadets, tunnel trip.
16—Thomas Hunter, M.P. for Kinloss and Perth, Scotland.
30—Mr. and Mrs. W. T. McConnell, Manager, Victorian Tourist Bureau, Melbourne, Australia. Mr. and Mrs. R. R. Ellen, Assistant Australian Trade Commissioner, Toronto and Mrs. Henderson.
September 6—English School Teachers, meal at Park Restaurant.
Governor of State of Delaware.
9—Mr. and Mrs. Malloch, member of the Commonwealth Dried Fruits Control Board, Australia, and daughter.
Mr. and Mrs. R. R. Ellen, Assistant Australian Trade Commissioner, Toronto, and Miss Malloch, London, Ontario.
24—Luncheon and dinner at the Park Restaurant for Women's Press Association.

BRIEF NOTES OF INTEREST

Steps were taken during the year to set up regulations covering the use of display signs along the Niagara Parkways within the jurisdiction of the Commission, with a view to prevention of destruction of the scenic beauty. Preservation of vistas is one of the fundamentals of park properties, and erection of signs will be discouraged as much as possible.

It is the intention of the Commission that there shall be no exploitation and as little commercialization as possible of the Commission properties.

Because of Restoration of the William Lyon Mackenzie home at Queenston, the Commission undertook to improve the connecting roads with Highway No. 8A, portion of Queen Street in front of the building was closed in this connection.

Pictures from the late Sir Henry Pellatt collection, (162 military framed prints and others) were purchased for the Fort Erie Museum at a cost of $500 from the Ryan Art Galleries, Toronto.

The Commission co-operated with the Ontario Hydro-Electric Commission in an exhibit at the Canadian National Exhibition, Toronto.

The tusk of a prehistoric animal, found while excavating at the Fort George site, was presented to the Royal Ontario Museum.

During the season, the Canadian Corps Band, (formerly the Niagara Falls Kiltie Band), was engaged for two concerts at the Oakes Garden Theatre, and the Lincoln and Welland Regiment Band was engaged for a concert at Queenston Heights Park during the summer. The Wellington Flute Band also gave a concert during the season in Queen Victoria Park. The Hermes Club presented a programme of Folk Dances in connection with the playground activities sponsored by the club each summer.

The bathhouses at the Dufferin Islands have become dilapidated with the lapse of time and the Commission decided to have them torn down, no steps being taken to replace them for the time being.

The Commission decided as a policy against allowing the placing of curb pumps adjacent to Commission property.

Complete financial statements, prepared by the staff and audited, follow this report, which is respectfully submitted to your Honour by,

Hon. T. B. McQuesten, Chairman,
Dr. G. B. Snyder, Vice-Chairman,
Hon. W. L. Houck, B.S., M.L.A.,
A. J. Haines, M.L.A.,
John C. M. German, K.C.,
Ross Harstone,
A. T. Whitaker,
Donald McGillivray.

Niagara Falls, Ontario,
August 1st, 1940.

BALANCE SHEET

AS AT MARCH 31st, 1940

ASSETS

CURRENT			
Cash on Hand		$1,696.50	
Canadian Bank of Commerce, Niagara Falls,			
Chairman's Account	$28,937.78		
Chairman's Account, American Funds	312.35		
	$29,250.13		
Less: Current Account	7,804.72		
Less: Payroll Account	6,515.12		
		14,930.29	
Accounts Receivable		1,762.69	
Inventories of Supplies and Souvenirs		87,014.49	
			$105,403.97
WATER RENTALS, EARNED			148,942.07
RESERVE FUND			
Sinking Fund Provision for 5½%, 15 year Debentures due 1st August, 1947:			
Deposit with the Treasury Department of Ontario as at December 1st, 1939		$124,632.30	
Accrued Interest thereon		1,661.76	
(Deducted from Debenture Issue)		$126,294.06	
PROPERTY			
Land, Buildings and Improvements, cost	$6,080,378.02		
Less: Reserve for Depreciation	1,429,747.07		
		$4,650,630.95	
Office and Restaurant Equipment, cost	$ 140,575.49		
Less: Reserve for Depreciation	103,891.33		
		36,684.16	
Cars and Trucks, cost	$ 17,318.97		
Less: Reserve for Depreciation	14,205.29		
		3,113.68	
Miscellaneous Equipment and Tools, cost	$ 34,296.13		
Less: Reserve for Depreciation	23,573.16		
		10,722.97	
Tableware, Linens and Utensils, cost	$ 30,495.92		
Less: Reserve for Depreciation	24,592.70		
		5,903.22	
			4,707,054.98
DEFERRED CHARGES			
Payment made by the Commission in 1932 to the City of Niagara Falls in respect to the removal of the City Water Works from the Park properties	$50,000.00		
Less: Written off	41,666.66		
		$8,333.34	
Discount on Debentures	$87,820.00		
Less: Written off	52,983.00		
		34,837.00	
Expenses in re New Bridge Approaches		11,966.51	
Expenses in re Protection of Power Plants		2,685.26	
Inventories of Expense Items		15,609.09	
Unexpired Insurance		2,774.62	
			$76,205.82
			$5,037,606.84

LIABILITIES

CURRENT			
Accounts Payable			$136,405.27
FUNDED DEBT			
2% Notes, Guaranteed by the Province of Ontario, Payable 21st December, 1940, $500,000.00 each, numbered 1 to 5	$2,500,000.00		
Accrued interest thereon	13,698.63		
		$2,513,698.63	
4% Instalment Gold Debentures, Guaranteed by the Province of Ontario, Payable 1st December 1928-1947	$2,000,000.00		
Less: Redeemed	1,008,000.00		
	$992,000.00		
Accrued interest thereon	13,226.67		
		1,005,226.67	
5½%, 15 year Debentures, Guaranteed by the Province of Ontario, due 1st August, 1947	$300,000.00		
Accrued interest thereon	2,750.00		
	$302,750.00		
Less: Amount of Sinking Fund	126,294.06		
		176,455.94	
			3,695,381.24
RESERVE—Public Liability			29,208.61
SURPLUS			
As at April 1st, 1939		$1,089,330.62	
Deduct: Expenses in re International Railway Company Arbitration		3,208.35	
		$1,086,122.27	
Add: Excess of Revenue over Expenditure for the year		90,489.45	
			1,176,611.72
CONTINGENT—Interest in re International Railway Company Arbitration.			
COMMITMENTS			
(A) To purchase certain lands.			
(B) To complete certain improvements.			
(C) To pay pensions of about $115.00 per month.			
			$5,037,606.84

REVENUE AND EXPENDITURE
FOR YEAR ENDED 31st MARCH, 1940

REVENUE

	YEAR ENDED	
	March 31, 1940	March 31, 1939
OPERATING REVENUE OR *LOSS* (before Depreciation):		
Table Rock House	$42,980.27	$43,111.60
Park Restaurant	6,505.17	6,941.13
Clifton Incline	4,570.36	1,589.59
Queenston Restaurant	*372.62*	37.38
Niagara Glen Restaurant	1,242.89	628.63
Brock's Monument	2,398.95	3,099.34
Whirlpool Rapids Incline Store	501.70	*118.11*
Clifton Gate Store	3,836.05	4,122.48
Fort Erie Pavilion	*416.70*	....
Fort Erie Barracks	*1,404.85*	....
	$59,841.22	$59,412.04
Less: Depreciation on Equipment and Utensils	5,494.99	5,464.54

NET OPERATING REVENUE	$54,346.23	$53,947.50
Water Rentals	502,987.69	498,462.31
Privileges, Tolls and Fees	17,388.76	16,696.98
Cash Discount	1,384.90	1,390.91
Sundry Revenue	635.94	539.44
TOTAL REVENUE	$576,743.52	$571,037.14
EXPENDITURE		
Maintenance and Upkeep of Parks and Grounds	$163,664.70	$169,926.73
Salaries and Expenses of Guards and Caretakers	24,358.59	23,663.58
Administration Expenses	27,341.53	25,926.63
Miscellaneous Expenses	37,847.30	21,648.75
Special Grants	6,778.16	11,750.00
Interest on Debentures	54,263.24	59,031.96
Interest on Notes, Bank Loans and Deposits	48,692.35	48,337.41
Discount on Debentures	4,583.00	4,583.00
American Currency Exchange	12,705.44	987.23
Depreciation on Sundry Tools and Equipment	6,019.76	5,332.76
Depreciation on Buildings and Improvements	100,000.00	100,000.00
TOTAL EXPENDITURE	$486,254.07	$471,188.05
Excess of Revenue over Expenditure	90,489.45	99,849.09
	$576,743.52	$571,037.14

SCHEDULE 1

SCHEDULE OF LANDS, BUILDINGS AND IMPROVEMENTS AS AT MARCH 31st, 1940

Lands and Improvements:		
Butler's Burial Ground	$5,354.78	
Parkway North (Fort George to Niagara Falls)	983,519.71	
Queenston Heights Park	170,491.17	
Niagara Glen	43,207.91	
Lundry's Lane Burial Ground	6,744.61	
Queen Victoria Park	1,115,052.58	
Parkway South (Queen Victoria Park to Fort Erie)	1,237,332.85	
Fort Erie Park	13,789.14	
Town of Fort Erie	425,174.80	
Fort Erie to Old Fort	21,397.61	
Town of Niagara-on-the-Lake	40,856.07	
City of Niagara Falls	227,823.57	
Queenston to Niagara Falls	160,195.58	
Fort George to Queenston	55,015.54	
		$4,505,955.92
Buildings:		
Queenston Souvenir Store	$4,754.94	
Queenston Creche	8,173.03	
New Queenston Restaurant	2,078.58	
Queenston Swimming Pool and Bath Houses—Plans	208.04	
Lecture Hall for Training School	2,750.99	
Residence for Apprentices	32,434.48	
Niagara Glen Inn	35,493.22	
Administration Building	97,392.23	
Park Restaurant	318,286.95	
Table Rock House	287,025.92	
Dufferin Island Refreshment Stand	424.78	
Fort Erie Pavilion	15,588.86	
Garden Theatre	363,056.08	
Information Building	22,088.72	
Memorial Arch	36,481.89	
W. L. Mackenzie Building	28,095.34	
Restoration of Fort, Niagara-on-the-Lake	193,300.35	
Restoration of Navy Hall, Niagara-on-the-Lake	18,101.65	
Restoration of Fort, Fort Erie Park	97,004.34	
Garage—Queenston to Niagara Falls	1,931.04	
Poultry House—Queenston to Niagara Falls	843.25	
Restoration of Customs Building, Niagara-on-the-Lake	5,312.42	
Remodelling I.R.C. Power House Building	595.00	
		1,574,422.10
TOTAL		$6,080,378.02

SCHEDULE 2

OPERATING ACCOUNTS

FOR YEAR ENDED 31st MARCH, 1940

	Receipts	Cost of	GROSS PROFIT	
	Sales	Sales	Amount	% of Cost
Table Rock House and Lunch Room:				
Elevator	$36,448.50	....	$36,448.50	......
Souvenirs	40,571.67	$16,819.38	23,752.29	141.22
Linen, Woollens and China	19,362.66	11,532.16	7,830.50	67.90
Lunch Room	2,229.63	1,574.29	655.34	41.64
Confectionery	6,359.18	4,658.66	1,700.52	36.50
Tobacco	1,473.88	1,318.47	155.41	11.80
	$106,445.52	$35,902.96	$70,542.56	
Commissions paid		$7,250.85		
Salaries and other expenses		20,311.44		
			27,562.29	
Operating Revenue (before Depreciation)				$42,980.27

	Receipts	Cost of	GROSS PROFIT	
	Sales	Sales	Amount	% of Cost
Park Restaurant:				
Dining Room	$45,517.75	....	....	......
Lunch Room	11,496.34	....	....	......
	$57,014.09	$35,947.64	$21,066.45	58.60
Souvenirs	6,526.19	2,931.13	3,595.06	122.65
Confectionery	2,239.21	1,703.57	535.64	31.44
Tobacco	2,003.05	1,768.81	234.24	13.24
	$67,782.54	$42,351.15	$25,431.39	
Salaries and other expenses			18,926.22	
Operating Revenue (before Depreciation)				$6,505.17

	Receipts	Cost of	GROSS PROFIT	
	Sales	Sales	Amount	% of Cost
Clifton Incline:				
Railway	$3,941.10	....	$3,941.10	......
Souvenir and other sales	3,913.34	$1,680.58	2,232.76	132.82
	$7,854.44	$1,680.58	$6,173.86	......
Salaries and other expenses			1,603.50	
Operating Revenue (before Depreciation)				$4,570.36

	Receipts	Cost of	GROSS PROFIT	
	Sales	Sales	Amount	% of Cost
Queenston Restaurant:				
Dining Room	$2,424.27	....	....	......
Miscellaneous Sales	7,912.91	....	....	......
	$10,337.18	$7,289.51	$3,047.67	41.80
Piano Rental	7.00	....	7.00	......
	$10,344.18	$7,289.51	$3,054.67	
Salaries and other expenses			3,427.29	
Operating *LOSS* (before Depreciation)				*$372.62*

	Receipts Sales	Cost of Sales	GROSS PROFIT	
			Amount	% of Cost
Niagara Glen Inn:				
Dining Room	$4,546.40	$2,927.81	$1,618.59	55.28
Souvenirs	2,413.05	1,171.39	1,241.66	106.04
	$6,959.45	$4,099.20	$2,860.25	
Salaries and other expenses			1,617.36	
Operating Revenue (before Depreciation)				$1,242.89

	Receipts Sales	Cost of Sales	GROSS PROFIT	
			Amount	% of Cost
Whirlpool Rapids Incline Store:				
Souvenirs	$7,119.34	$4,050.62	$3,068.72	75.75
Miscellaneous Sales	661.20	501.91	159.29	31.74
	$7,780.54	$4,552.53	$3,228.01	
Niagara Concessions, 15% of Souvenir Sales		$1,070.18		
Salaries and other expenses		1,656.13		
			2,726.31	
Operating Revenue (before Depreciation)				$501.70

	Receipts Sales	Cost of Sales	GROSS PROFIT	
			Amount	% of Cost
Clifton Gate Store:				
Souvenirs	$18,293.07	$9,464.25	$8,828.82	93.29
Miscellaneous Sales	3,937.77	3,011.92	925.85	30.74
	$22,230.84	$12,476.17	$9,754.67	
Salaries and other expenses			5,918.62	
Operating Revenue (before Depreciation)				$3,836.05

	Receipts Sales	Cost of Sales	GROSS PROFIT	
			Amount	% of Cost
Fort Erie Pavilion:				
Souvenirs	$184.18	$97.21	$86.97	89.47
Miscellaneous	893.38	655.37	238.01	36.31
	$1,077.56	$752.58	$324.98	
Salaries and other expenses			741.68	
Operating *LOSS* (before Depreciation)				*$416.70*

	GROSS PROFIT	
	Amount	% of Cost
Fort Erie Barracks:		
Gross Receipts from tolls	$1,076.25	
Salaries and other expenses	2,481.10	
Operating *LOSS*		*$1,404.85*
Brock's Monument:		
Gross Receipts from tolls	$3,219.90	
Salaries and other expenses	820.95	
Net Operating Revenue		$2,398.95

SCHEDULE 3

REVENUE FROM WATER RENTALS FOR YEAR ENDED 31st MARCH, 1940

	YEAR ENDED March 31 1940.	YEAR ENDED March 31 1939.
From Canadian Niagara Power Company:		
Fixed	$15,000.00	$15,000.00
Additional	52,447.50	58,667.96
	$67,447.50	$73,667.96
From Ontario Power Company:		
Fixed	$30,000.00	$30,000.00
Additional	82,677.97	59,836.14
	$112,677.97	$89,836.14
From Electrical Development Company:		
Fixed	$15,000.00	$15,000.00
Additional	60,854.67	56,560.48
	$75,854.67	$71,560.48
From Hydro-Electric Power Commission	$247,007.55	$263,397.73
	$502,987.69	$498,462.31

SCHEDULE 4

REVENUE FROM PRIVILEGES, TOLLS AND FEES FOR YEAR ENDED 31st MARCH, 1940.

	YEAR ENDED March 31 1940	YEAR ENDED March 31 1939
From Niagara Spanish Aero Car Company	$3,500.00	$3,500.00
From Maid-of-the-Mist Steamboat Company	2,500.00	2,500.00
Fees from Lundy's Lane Burial Ground	243.00	326.00
Tower Optical Company—Binoculars	2,328.40	2,314.40
Niagara Concessions Limited—Rent	1,000.00	1,000.00
Hy-Power Viewing Machines	980.15	....
	$10,551.55	$9,640.40
From Bus Companies:		
Van Dyke, Sight-seeing	$542.69	$717.22
Gray Coach Lines Limited	2,012.61	2,177.36
Canadian Coach Lines, Limited	3,777.52	3,557.40
Sundry	504.39	604.60
	$6,837.21	$7,056.58
TOTAL	$17,388.76	$16,696.98

SCHEDULE 5

MAINTENANCE AND UPKEEP OF PARKS PARKWAYS AND GROUNDS FOR YEAR ENDED 31st MARCH, 1940.

	YEAR ENDED March 31 1940	YEAR ENDED March 31 1939
Butler's Burial Ground	$503.70	$473.55
Town of Niagara-on-the-Lake	1,535.82	231.01
Queenston Heights Park	9,343.99	10,656.50
Queenston to Niagara Falls	37,232.64	38,187.45
Niagara Glen	4,190.14	1,886.27
City of Niagara Falls	19,121.33	21,563.59
Lundy's Lane Burial Grounds	1,619.97	2,338.95
Queen Victoria Park	64,888.90	70,680.83
Queen Victoria Park to Fort Erie	14,785.22	14,708.11
Town of Fort Erie	813.50	1,979.97
Fort Erie Park	4,373.43	1,426.43
Fort George to Queenston	5,256.06	5,794.07
TOTAL	$163,664.70	$169,926.73

SCHEDULE 6

SALARIES AND EXPENSES OF GUARDS AND CARETAKERS

FOR YEAR ENDED 31st MARCH, 1940.

Butler's Burial Ground	$89.60	$89.60
Fort George to Queenston	910.49	928.34
Queenston Heights Park	2,323.15	2,111.32
Niagara Glen	1,035.20	1,607.38
Queenston to Niagara Falls	1,883.02	1,715.55
Lundy's Lane Burial Grounds	1,379.33	1,688.63
Queen Victoria Park	11,328.40	9,442.91
Queen Victoria Park to Fort Erie	2,791.00	2,847.09
Fort Erie Park	22.40	187.60
City of Niagara Falls	2,596.00	3,045.16
TOTAL	$24,358.59	$23,663.58

SCHEDULE 7

ADMINISTRATION EXPENSES

FOR YEAR ENDED 31st MARCH, 1940.

Executive and Office Salaries	$19,969.01	$19,907.88
Office Supplies	1,298.80	1,279.85
Office Expenses	2,505.89	2,018.97
Travelling Expenses	1,473.98	1,202.60
Commissioners' Expenses	2,093.85	1,517.33
TOTAL	$27,341.53	$25,926.63

SCHEDULE 8

MISCELLANEOUS EXPENSES

FOR YEAR ENDED 31st MARCH, 1940.

	YEAR ENDED	
	March 31, 1940	March 31, 1939
Insurance	$3,700.31	$2,324.57
Advertising	16,484.67	14,198.03
Pensions	1,126.70	900.00
Professional Services	1,191.30	1,717.03
Exchange on Bond Coupons and Bonds	117.87	100.84
Contribution to Superannuation Fund	2,347.92	2,408.28
Royal Visit	7,484.28	....
Opening of Fort at Fort Erie	3,491.36	....
Major Accidents	1,902.89	....
TOTAL	$37,847.30	$21,648.75

SCHEDULE 9

GRANTS AND SPECIAL CHARGES

FOR YEAR ENDED 31st MARCH, 1940.

Stoney Creek Battleground—Grant	$800.00	$800.00
Board of Illumination	703.16	5,625.00
City of Niagara Falls, re Water Works, portion written off	5,000.00	5,000.00
Niagara Falls, Vocational School	25.00	25.00
Niagara Falls, Chamber of Commerce	250.00	250.00
Niagara Falls, Trades and Labour Council	....	50.00
TOTAL	$6,778.16	$11,750.00

SCHEDULE 10

CAPITAL EXPENDITURE

FOR YEAR ENDED 31st MARCH, 1940.

Town of Niagara-on-the-Lake:		
Fort George—Restoration	$96,309.30	
Navy Hall—Restoration	2,198.79	
Navy Hall—Landscaping and Wall	5,001.31	
Navy Hall—New Roadway	17,817.51	
Customs Building—Restoration	5,312.42	
		$126,639.33

Fort George to Queenston:		
Lands	15,588.76	
Wm. Lyon Mackenzie Building	58.72	
Wm. Lyon Mackenzie Building—Addition	3,413.04	
Wm. Lyon Mackenzie Building—Landscaping and Wall	13,025.28	
Wm. Lyon Mackenzie Building—Road at	3,129.08	
Road at Queenston Village—Queen Street	5,785.91	
Resurfacing Road	5,310.64	
		46,311.43
Queenston Heights Park.		
Parking area	5,992.86	
New Restaurant	920.58	
Landscaping and Service Road	544.41	
		7,457.85
Queenston to Niagara Falls:		
Parking area, Niagara Glen	17,716.60	
School Residence Extension	3,367.81	
Resurfacing Road	2,825.71	
Arboretum	2,846.56	
		26,756.68
Niagara Glen:		
Niagara Glen Restaurant Annex	4,147.47	
Transformer House and Line	251.26	
Parapet Wall	226.74	
		4,625.47
City of Niagara Falls:		
Lands	12.09	
Clifton and Lafayette Hotel Sites	97.50	
Memorial Arch	404.00	
		513.59
Queen Victoria Park:		
Fill at I.R.C. Intake	245.09	
New Roadway, Table Rock House to Dufferin Islands	23,845.97	
Development of Lands	3,000.00	
Resurfacing Road	2,967.34	
Remodelling I.R.C. Power House Building	595.00	
		30,653.40
Queen Victoria Park to Fort Erie:		
Service Road	$488.69	
Roadway at Water Street, Chippawa	4,342.04	
Resurfacing Road	8,908.78	
Widening Bridge—Boyer's Creek	3,197.11	
Widening Bridge—Baker's Creek	3,157.19	
Widening Bridge—Miller's Creek	3,721.45	
Widening Bridge—Frenchman's Creek	4,279.03	
		28,094.29
Town of Fort Erie:		
Mather Park	217,473.13	
Lands	15,405.45	
		232,878.58
Fort Erie Park:		
Fort Erie—Restoration	35,911.80	
Fort Erie Park, Road Entrance	6,163.75	
Alterations to Pavilion	6,391.62	
		48,467.17
TOTAL		$552,397.79

SCHEDULE 11

STATEMENT OF APPLICATION OF FUNDS, CURRENT BALANCE SHEET ITEMS AND GROSS PROFITS FOR YEAR ENDED 31st MARCH, 1940.

FUNDS PROVIDED

Current Assets as at April 1st, 1939	$640,566.42
Gross Profits for the year	212,167.20
	$852,733.62

FUNDS EXPENDED

Additions to Lands, Buildings and Improvements	$552,397.79
Additions to Office, Restaurant and other equipment	28,325.82
Reduction of Debenture Indebtedness	122,453.43
Paid in re International Railway Company Arbitration	3,208.35
Paid certain expenses in re New Bridge Approaches	2,724.48
Paid for protection of Power Plants	2,685.26
Discharged Current Liabilities as at April 1st, 1939	34,289.31
Current Assets as at March 31st, 1940	272,729.75
	$1,018,814.19
Less: Current Liabilities as at March 31st, 1940	166,080.57
	$852,733.62

CURRENT BALANCE SHEET ITEMS

	YEAR ENDED	
ASSETS	March 31 1940	March 31 1939
Cash on Hand	$1,696.50	$1,700.00
Canadian Bank of Commerce	14,930.29	529,796.91
Accounts Receivable—General	1,762.69	2,422.59
Accounts Receivable—Water Rentals	148,942.07	27,932.49
Inventories of Supplies and Souvenirs	87,014.49	68,108.34
Inventories of Expense Items	15,609.09	7,527.77
Unexpired Insurance	2,774.62	3,078.32
	$272,729.75	$640,566.42

LIABILITIES

Accounts Payable	$136,405.27	$3,240.68
Accrued Interest on Notes and Debentures	29,675.30	31,048.63
	$166,080.57	$34,289.31

GROSS PROFITS

Provision for Depreciation on Lands, Buildings and Improvements	$100,555.00
Provision for Depreciation and Wastage on Office, Restaurant and other equipment	11,514.75
Loss on Sale of Equipment	25.00
Written off a payment of $50,000.00 made to the City of Niagara Falls in 1932 for removal of Water Works ($8,333.34 still to be written off)	5,000.00
Written off Discount on Debentures	4,583.00
Net Profit—Added to Surplus	90,489.45
	$212,167.20

Ontario Research Foundation

REPORT

For the Year 1940

Presented by the Chairman
to the Lieutenant-Governor in Council
December, 1940

* * *

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO
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ONTARIO

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1941

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March 28th, 1941.

THE HONOURABLE MITCHELL F. HEPBURN, M.P.P.,
Prime Minister of Ontario,

Parliament Buildings, Toronto.

DEAR SIR:

Owing to the absence of the Chairman of this Foundation on important duties associated with Canada's war effort it has been my privilege during the latter part of 1940 to assume his responsibilities.

I have great pleasure in placing before you our Annual Report, which includes a financial statement and also the report of the Director in regard to the work performed in the various laboratories.

You and your colleagues will be gratified to learn that not only have we been able to extend our services to Industry and Agriculture, but in addition the steadily increasing demands of the War Service Departments have been efficiently met.

The buildings and equipment have been maintained and expanded to meet the increased demand for service. Our finances are in a healthy condition.

I commend this Report to the attention of Members of the Government and of the Legislature.

I have the honour to be,

Your obedient servant,

E. G. BAKER,

Vice-Chairman.

REPORT OF THE DIRECTOR OF RESEARCH, 1940

TO EDWIN G. BAKER, ESQ.,

Vice-Chairman

DEAR SIR:

Before commencing my annual report on the work of the Foundation I desire to refer briefly to the death of Dr. T. A. Russell, a member of our Advisory Council and a friend to whom we could always turn for help and advice. Although the greater part of his life was spent in close association with many industrial and financial enterprises it was in the agricultural side of our work that he showed keen and sustained interest. For several years he presided at the meetings of our Advisory Committee on Bang's disease, his own herd being one of those placed at our disposal for observation and testing. When in good health he constantly sent to us clippings and references which indicated the extent and thoroughness of his own reading. Farming to him was not a hobby conducted along wholly unpractical lines. He put into it all his business training combined with a passionate love for the land and good stock.

During the past year the investments of the Foundation have been carefully reviewed at regular intervals by your Advisory Committee, and their recommendations carried out.

In spite of the dislocation of many peace-time industries and the transfer of men and machinery to war production the income of the Foundation received from industry was higher than in any previous year. This has been supplemented by that received from various official bodies. We have endeavoured to put into effect the policy that the services of the permanent staff of the Foundation should be available to the Departments of Government responsible for Canada's war effort. With the full agreement of the officers of these Departments we have been reimbursed for the salaries of additional staff and the materials used in work which has been done at their request.

Before the summer months had passed, the majority of our regular staff and a relatively larger number of recent additions were engaged on war work. By the end of the year the various units were running smoothly and efficiently. There are still variations in the daily demands for these services, but the general trend continues upward. Our staff is becoming more familiar with service specifications and the products covered. In a natural way they are becoming better able to solve the problems of and to help those who are engaged in the production of war materials. I regret that for the present it is not possible to refer in detail to what represents by far the major portion of our activity during the year. Your senior staff is largely composed of men who combine scientific ability with industrial experience and technical knowledge. It is our conviction that in times like these our first duty is to assist in so far as we are able the speedy production of what Mr. Churchill has so aptly described as the "tools."

Although it is not possible to refer to them in detail it will not be difficult for you to imagine some of the problems and difficulties which such a period brings to a research organization. The atmosphere is not conducive to reflection, and unbroken attention to a programme of experimental work is not possible. Due to a proper attitude of mind and heart to the major problem these conditions have brought contentment rather than disappointment and restlessness. It has been our privilege to make some contribution to the common effort, and because of this attitude to work and to one another the change from a peace to a war-time basis has been possible.

Before closing this introduction to my report I should like to look ahead, to the days when Canada will once more be at peace and struggling with old and new problems. It is, I know, your hope that we should endeavour now to prepare to play our part. What can such a group contribute? Experience suggests the folly of isolation in thought or action. Looking back over our comparatively short history one thing stands out clearly, namely, that the best results have attended our efforts when we have had the privilege of working with others. This is another way of expressing the fact that we have a contribution to make but rarely a solution. The past year, from this point of view, has not been a waste of time or effort. One important by-product of our work has been the opportunity presented of making contacts with those with whom we ought to work in fields of increasing difficulty and importance. Scores of industrial units have come to know more about the Foundation. In the near future we hope to think out ways and means of interesting some at least in the potential value of long term research projects. The financial problem has diminished, and if industry looks ahead we should have no difficulty in putting men to work in order to take advantage of favourable opportunities which exist to-day.

In one of the late Lord Tweedsmuir's addresses he discussed the problems associated with the great depression and the methods by which Canada could successfully overcome them. The following are a few sentences from his address: "To the younger nations the problem used to be simple. Push the frontier a little further back—so ran the answer—strike out new lines, develop new wealth; the wealth is there; it only wants hard work and enterprise to win it. The situation is changed to-day. In a very real sense there are no frontiers left on the physical map. They must be sought in the world of the mind and the spirit. A country may have immense undeveloped natural resources, but these are not wealth which can be easily and confidently realized; they do not become wealth until and unless they can be related to the demands and the uses of the rest of the world."

In these few lines our late Governor-General bridged the gap between the things of the mind and the spirit and the daily life of ordinary men and women, between the laboratory and the factory, between science and commerce. If such a relationship can be established in Canada we need not trouble ourselves overmuch about the future. This Foundation will continue to play a part if we can preserve within its walls the spirit and the method of science and at the same time gradually win for ourselves the respect and confidence of our industrial leaders.

AGRICULTURE

The war is creating new problems for those engaged in agriculture. On the one hand certain products, notably grains, are accumulating in Canada and prices are low. Others such as butter, cheese and bacon are in demand for export as well as domestic consumption. In normal times our farmers would look for and expect rising prices, but for the time being we are operating under a controlled economy and one of fixed prices. We are unable to discuss whether the widespread feeling among farmers that prices for their products are out of line with labour costs, etc., is justified. We call attention once more, however, to the problems which grow out of the great variation in costs of production on Ontario farms. To some extent these are beyond control and are due to normal fluctuations in weather conditions. The human element also must be variable. Apart from these there are the constant variations which grow out of our refusal to correlate our agricultural economy to the characteristics of soil and climate. If the cost of milk production varies by over 100 per cent, how is it possible to fix a price for butter and cheese which will bring a return to all farmers and not be unfair to the consumer? To this fundamental fact we must turn also for an explanation of the comparative failure of farmers in Ontario to cooperate successfully in buying or selling. Success in other countries is invariably based on a certain uniformity in skill, conditions on the land and in costs of production. Within our own Province this has been demonstrated by the growers of tobacco.

When a farming community is not receiving adequate returns for its products over a long period, certain changes take place. The social changes lie outside the scope of our work. One change with which we are concerned is the slow depletion of the soil, and the destruction of one of our greatest assets; sometimes a permanent destruction and frequently one which makes recovery an impossible task for the farmer of average means. Mechanization, and the effort to reduce costs thereby, is adding to the problem. So long as an abundance of farm manure is returned to the land certain essential elements for crop growth are usually available in the soil. In the absence of this there is evidence that such elements as zinc, boron, copper and manganese may fall below the required concentration. To replace them as constituents of mixed commercial fertilizers is not easy because whilst minute quantities are essential it is possible to create toxic conditions by too much. Not only is it necessary to know the requirements of particular crops but the chemical study of our soils must include a study of the concentration of these essential elements. At the present time we are studying the areas which show evidence of trace-element depletion, and also characteristic deficiency diseases, e.g. boron deficiency in the apple, sugar beet and turnip; copper deficiency in the onion and manganese deficiency in oats.

Last summer was not only disappointing to persons on holiday. The unusually large number of cloudy days had a marked influence on the yields and quality of certain crops. Advantage was taken of these conditions to collect factual data showing this relationship.

During the winter months work has continued on soil samples collected in Eastern Ontario. Maps of this area showing the following characteristics: natural vegetation, depth to bedrock, topography, drainage, stoniness, acidity-alkalinity, available calcium, phosphorous and potash. These maps will form the basis of a complete report.

Summer work was devoted chiefly to preliminary studies along similar lines in Western Ontario. When this area is completed the whole of Southern Ontario will have been covered and the fundamental data will be available.

The changes in rural population in Southern Ontario up to 1931, the year of the last census, have been analyzed and recorded.

A commencement has been made of a survey of land values in rural Ontario and their relationship to soil, climate and economic factors. Experience has shown that the assessment values do not provide a basis for accurate comparison between areas. We are exploring the possibilities of figures secured from Registry Offices relating to actual sales.

During the past five years a carefully selected group of refugees from Europe settled in rural Ontario. It is of great importance not only for the present but having regard to post-war conditions in Europe to know what the results of this policy have been. A careful survey of these families has been made and our report has been helpful to those engaged in immigration and social work. In general it may be said that these new Canadians have been absorbed, that they are not a burden on the community and that they are making a real contribution to rural life.

PATHOLOGY AND BACTERIOLOGY

During the summer of 1939, Dr. Hadwen was loaned to the Federal Government in order to visit and report upon the condition of reindeer herds in the far north and also the buffalo herd and other wild animals at Wainwright. During the past year he has completed this work which included the examination of the specimens and other material placed at his disposal. Because of his earlier contacts with the buffalo herd, and his long experience with problems of this nature, it was appropriate that he should render this service. Dr. Hadwen recommended that the buffalo herd and other animals at Wainwright Park should be destroyed on account of the incidence of tuberculosis and the over-grazed condition of the Park. This recommendation has been put into effect.

Work on mastitis in cows has continued throughout the year and two reports have been published in the literature. Our original purpose was to develop if possible a quick and reliable microscopic method for the diagnosis of mastitis. This has been accomplished by a detailed study of the cells present in normal and various types of abnomal milk. This method in the hands of a trained observer is as reliable as any of the cultured methods or biochemical tests. In addition it is speedy and should reduce the cost. At the present time it is virtually impossible for the average farmer to keep the records regarding his herd which maximum efficiency demands.

Evidence has been secured proving that the leucocytes, i.e. cells, set free and present in milk are capable of destroying the characteristic bacteria which are associated with mastitis.

A commencement has been made on a study of the pathological changes in the udder of the cow caused by tuberculosis and other diseases. This is accompanied by a badly needed reconsideration of the development, structure and physiology of the normal udder.

During the late autumn the staff was completely occupied in field studies, autopsies and laboratory work arising from a widespread outbreak of some respiratory disease among young pigs. The outbreak was characterized by chronic coughing, gradual loss in weight and a high mortality rate. Autopsies showed chronic pneumonia in the majority of cases and the presence of lung worms and intestinal round worms. Cultural studies of various organs indicated the presence of a variety of bacilli and cocci. One point in connection with this outbreak needs special emphasis. In the middle of an area in which this disease was widespread my colleagues visited a large breeder of hogs and failed to discover the least sign of trouble. The explanation is quite simple; good sanitation and proper feeding. A recent article by an authority in the United States includes the following sentences, "It is becoming more difficult to raise hogs profitably in the United States. The trouble is parasites including bacteria, all of which can be controlled where the will to do so exists." Ontario is now facing increasing competition from the western provinces in the raising of hogs. It is partly due to outbreaks similar to the one we have been studying that production costs are high.

The investigation of the life history of a parasitic fly which attacks and destroys the larvae of the clothes moth has progressed rapidly and successfully. To complete our previous observations a study has been made of the influence of temperature and humidity on the rate of development of the larvae of the parasite. The influence of temperature is indicated by the following: the average weight of larvae just before pupation was 8 mg. at 20°C and 4 mg. at 27°C respectively. Other interesting facts concerning the parasite are as follows. Only females exist and the eggs are produced by parthenogenetic fertilization. Adults are attracted by bright lights, and may be kept alive for several weeks in the laboratory on a diet of dilute honey. More than one egg may be deposited in the moth larvae but only one reaches maturity. The life cycle is complete in approximately 26 days at 27°C and in several months at 20°C.

If the parasite is to be put to work destroying clothes moth larvae, and ultimately the moth population, it will be necessary to use some other method for producing large numbers. There is a possibility that other hosts exist, and a search is being made for one which is more easily handled than the clothes moth. This research has uncovered various other problems related to the use of parasites for the destruction of pests, and also the nature of the physiological relationship between the host and the parasite, e.g. what is the substance on which the parasite feeds, why does only one egg develop?

This group of workers has given valuable assistance to their colleagues in the industrial laboratories in connection with problems involving insects, bacteria, etc., e.g. moth-proofing tests, phenol coefficients of insecticides, insect pests in foodstuffs. In addition, a number of specimens from the Department of Game and Fisheries and the Royal Ontario Museum of Zoology have been examined and reported upon.

TEXTILES

The work of this Department continues to expand, especially in regard to its contacts with the various branches of the textile industries, mills, wholesale houses, retailers and manufacturers agents. During the past two years approximately 100 new names have been added to the list of firms for which work has been undertaken. The field of technology covered is very large, there is great variety in the questions and problems submitted and it is a tribute to the staff that whilst progress in this section has been maintained there has been no curtailment of work relating to more fundamental problems.

A considerable proportion of the testing work in 1940 has been in connection with fabrics and other materials manufactured for war supplies, and the requests have come chiefly from the manufacturers and not official bodies. Uniform cloths of different types of material and weights, silk parachute fabric, wool linings, wool and cotton underwear material, whip-cord, khaki gloves, parachute cords and harness, silk powder bags are some of the materials handled. By contributing to the production of large quantities of these materials to rigid specifications the Department has made a useful contribution to our war effort. Tests include tensile strength, fastness to light, washing and perspiration tests, resistance to attack by mildew, bursting strength, freedom from traces of certain metallic impurities, structure and percentage composition in terms of various raw materials.

Another sign of the closer relationship between the manufacturer and these laboratories is the increase in the number of plant visits made at the request of those in control. The fact that we are able to render some service should not prevent a recognition of their importance to us in providing most valuable practical experience.

The war is creating problems of a somewhat different character in connection with peace-time requirements. Pressure on existing supplies of certain raw materials is creating a need for substitutes which possess as many as possible of the essential properties of the originals. The question of certain imported dyestuffs and other chemicals may become more serious in the near future.

There has been in addition the usual quota of interesting and sometimes baffling short-term investigations associated with failure to produce the required fabric or other material.

To enable this type of work to be performed efficiently and with the least interruption of other work we are slowly adding to the equipment of the Department. The following additions have been made during the past year:

(a) Daylight lamps for the examination of coloured materials.

(b) A constant rate-of-loading yarn strength tester.

(c) A three-unit apparatus for agitating fabrics in laundering and dry-cleaning solutions. These tests can now be carried out in larger numbers and under rigidly controlled conditions.

We have now completed our ninth year of cooperative work with Courtaulds (Canada) Ltd. and other firms associated with the Quality Control Plan. It has grown from a small group interested in knitted rayon garments until now many fields of merchandise are covered. It is gratifying to report that 1940 was again a record year. This has naturally brought with it a heavier load of control work and at the same time created new and interesting problems. Towards the close of the year the work and requirements of this section were carefully reviewed by representatives of Courtaulds and the Foundation. It is a pleasure to record that as a result of this conference the budget was considerably enlarged and in the coming year additional staff will be available. These changes will make it possible to devote more time to outside contacts and to a study of problems uncovered by the routine administration of the Plan.

Our annual survey of knitted garments made according to the Plan and sold across Canada indicates a gratifying conformity to the specifications agreed upon.

At the close of the year eighteen manufacturers of fabrics and about eighty manufacturers of garments were cooperating in the Plan. Several of the specifications relating to important groups of fabrics, e.g. drapery materials, have been revised. If our specifications are to fulfil their purpose and give satisfaction to the manufacturer and the consumer they must involve tests which predict with the maximum of accuracy the behaviour of the material under normal wearing conditions. Each year more information is available on which to base a critical examination of our methods, and there is every reason to believe that the underlying conception of the Plan will gradually influence other branches of industry. One of the problems which requires more than technical experience is that of deciding from time to time how to effect a compromise between the claims of serviceability and those of fashion. A careful analysis of consumer complaints assists in our efforts to maintain the highest possible standards. During the past year these have been remarkably few in number and in only one case was it found necessary to change our standards or methods of testing.

The following problems arising from the Plan have been given more prolonged attention and are still under consideration:

(a) The relationship between seam construction and serviceability.

(b) Effects of different finishing processes on the strength of dress fabrics.

(c) A comparative study of length of life of wool socks and wool plus rayon socks.

(d) Influence of time and other factors on the extensibility of drapery fabrics.

The research work carried on during the previous year has been continued. In my last report I referred to the work in progress relating to the physical and structural characteristics of silk fibres. Using the same technique our work on the response of silk to water vapour over a range of relative humidities and pressures has been extended to cover a number of organic substances including alcohols, ethers and ketones. Observations have been made on the physical properties of fibres in various stages of moisture absorption with particular reference to their elasticity and plasticity. The data secured has provided a mathematical basis upon which to predict the behaviour of filaments under conditions of stress varying with time. The work has contributed to an interpretation of load-extension curves obtained by other workers who have applied a uniform stress on the filaments.

The study of fibres in relation to alcohol and other vapours is based on their chemical characteristics which are similar to those of water. It has been found that alcohols of low molecular weight are readily absorbed and given up by silk fibres in response to changes in the atmosphere. Under a high vacuum all the absorbed alcohol cannot be removed, but the "residue" alcohol can be removed by exposure to a low partial pressure of water vapour or by raising the temperature.

During this period of rapid development in textile technology it is appropriate that we should endeavour to make some contribution to our knowledge of the structure and properties of a fibre such as silk. The methods and conclusions will greatly facilitate future studies of other materials.

The investigation of the principles of "scouring," i.e. the removal of oils from semi-processed textile materials, has continued. During the past year a successful attempt has been made to determine the necessary conditions in the scouring bath for the removal of natural oils, e.g. olive oil, and the type of paraffin oil which is used to some extent in the textile trades. The two types of oil differ fundamentally in their chemical composition and both theory and specimen suggest that their successful removal must take this fact into account. At the present time the price of vegetable oils is rising due to war conditions, and considerable economy in processing costs would be accomplished if mineral oils could be substituted. The work this year has produced encouraging results, and in the near future plant scale tests are contemplated. This investigation has been partially supported by a grant received from Imperial Oil Limited.

During the year Dr. Goodings has served on the Research Committee of the American Association of Textile Chemists and Colourists, and Mr. Staples on committees of the Textile Section of the American Society for Testing Materials. These contacts are of the greatest value both to the Foundation and to the textile industries of Canada.

ENGINEERING AND METALLURGY

My previous reference to the effects of the war on the character of the work performed in the laboratories applies particularly to this Division. Our own plans have been put aside whenever it was felt that they would interfere with the performance of duties associated with war effort. A reasonable continuity of work is essential if success in research is to be accomplished, and this has proved to be quite impossible during the past year. This is not to say that no effort has been made to keep research projects alive or that no progress has been made.

Another contributing factor to this condition has been that the staff has grown considerably in numbers by the addition of young and inexperienced workers. At the same time junior members of the scientific staff and technical assistants have left the Foundation, often with the assistance of my senior colleagues, to accept opportunities in industry. In spite of these difficulties an expanding organization has been given a sound technical training and imbued with a spirit of loyalty and cooperative effort.

There is another time-consuming and in a sense disruptive type of work which brings no obvious or immediate return to the Foundation. I refer to the many hours per week spent in discussion with visitors. The war has increased this demand upon the working hours of the staff very considerably. I am confident that it represents a definite contribution to industry which is appreciated.

During the year fifty-nine investigations have been performed for private companies and for various government departments. Three companies paid to the Department an annual fee for consulting service.

The physical testing laboratory has been more fully occupied than in any previous year, the number of tests being about six times those performed in 1939. With the development of aircraft production in Canada and other new types of industrial production the variety as well as the volume of work has greatly increased.

Shortly before the war commenced we began to improve the facilities in the Foundation for the heat-treatment of metal parts. In addition to providing opportunities for research we had reason to believe that industry would take advantage of these facilities for the treatment of relatively small but expensive castings, etc. The experience of the past year has more than justified the expense and effort involved. Ninety firms have sent material in for treatment, some of them at regular intervals. Others have used the furnace room here to great advantage in order to speed up other work whilst their own furnaces were being installed.

Early in the year the preliminary steps had been taken to create facilities for the testing of gauges to be used by industrial and government inspectors. The extent to which this work has increased is indicated by the fact that in December we tested as many gauges as in the first six months of the year. During the year the staff engaged on this important work has increased from 2 to 15. I feel that the senior members of the staff are to be commended for their work in training this group and for the efficient system of records which they have gradually instituted. During this period of expansion and training the output of gauges per man-hour has doubled. We are indebted to officers of the Departments of the Inspector General, the Ministry of Munitions and Supply and the National Research Council for advice and assistance.

The machine shop has continued to render valuable service to this department in connection with the gauge and physical testing laboratories. It has also contributed considerably to the successful operation of all Departments by designing and constructing experimental apparatus and testing equipment.

The following research projects have been pursued during the past year:

(a) A study of the influence of the cross sectional area of a test-piece on the fatigue strength as measured by the Avery machine. Our machine has been gradually modified and improved in design. The experimental side has suffered considerably from interruptions.

(b) The resistance of various alloys to abrasion. Improvements in our experimental ball-mill have been made allowing for very close control of the atmosphere within the mill. A report on the experimental work of the past three years will shortly be ready for publication.

(c) A member of the staff completed a thesis dealing with the solubility of carbon in alloys of iron and tungsten and was granted the degree of M.A.Sc. by the University of Toronto.

(d) Progress has been made on a study of the malleability of a white cast iron in relation to variations in chemical composition.

Mr. Tasker continues his membership of the Research Committee of the American Society of Heating and Ventilating Engineers and more recently was elected to the Council of the Society. Mr. Ellis continues to maintain our contacts with the Ontario Chapters of the American Society for Metals and the American Foundrymen's Association.

Shortly before the close of the year Mr. Ellis received word of the award to him of a Plummer medal by the Engineering Institute of Canada. It is appropriate that this distinction should be conferred on him during the period in which he is rendering unremitting and distinguished service to the Government and to industry.

CHEMISTRY

Early in the year the preliminary steps had been taken to equip two sections of this Division with apparatus and personnel to carry out metallurgical and organic analyses. The extent to which the work on behalf of Government has increased will be made clear by stating that in January 6 samples were submitted and in December approximately 217 were received. During the year we estimate that about 18,500 determinations were made, or 10 times the number in the previous year. The growth has not been steady or uniform over the entire field of technology involved. Sharp peaks have occurred first in one section and then in the other. Pressure on our staff and equipment in connection with a certain type of material has persisted for a time and suddenly the demand for this particular service has ceased. Such conditions are inevitable having regard to the supreme importance of the time factor in our war effort as a whole. The impatience and natural criticism which are occasionally voiced in connection with apparent delays in production lose some of their point when we remember that the industrialists and technical personnel of Canada were suddenly confronted with thousands of specifications, highly specialized in character and demanding extreme accuracy. One of the gratifying experiences of the past year has been to see the number of firms in Canada which have attained splendid records as shown by inspection results. It is equally gratifying to be able to report that the figures submitted by the staff have been rarely challenged by the manufacturers. This is all the more creditable to my colleagues if we remember that a large proportion of the analytical procedures involved are not commonly in use and some have had to be developed in our own laboratories.

For short periods, practically the entire staff of the Division and men drafted from others have been concentrated on this work in order to avoid delays in manufacturing plants.

Short term investigations carried out in the Division on behalf of manufacturers and others show an increase over the previous year of 20 per cent. Many of these were directly associated with war supplies. Others arise from the higher cost or complete absence of commodities normally used by various industries in Canada. The following list of materials involved in the first 10 of the 180 such investigations will indicate the variety of problems submitted to this Division: glue, veneered furniture, wire screening, ozonized eucalyptus oil, cleansing tissue, water softening agent, aluminum panels, rotogravure emulsion, natural gas, oil sludge.

In addition to these the Division has received financial support from the following companies in the carrying out of longer term and more important investigations: Consumers' Gas Company, Toronto, Imperial Oil Ltd., Toronto, Wm. Wrigley Jr. Company Ltd., Toronto and Mallinckrodt Chemical Works Ltd. of Canada, Montreal. It is this side of our work which must be extended and supported by the industrialists of the Province if the potential value of the Foundation is to be realized. The record of the past year amply proves this statement. New processes are being developed, older ones are being modified to give greater efficiency and new products are being manufactured.

BIOCHEMISTRY

In cooperation with the National Research Council a revision was undertaken of existing Canadian specifications for boots to be supplied to the Army, Navy and Air Force. Tentative specifications were submitted to the Department of National Defence, and during a period of several months samples of leather used by contractors were tested by physical and chemical methods. Similar tests have been performed on behalf of the Inspector General's Department.

Research work in the leather laboratory has been chiefly concerned with further improvements in the method for intermediate alum and chrome retannage of heavy leathers. A critical comparison has been made of leather prepared by these methods and standard vegetable-tanned leather. A pilot scale investigation of rocker tan yard operation was made in order to effect the necessary changes in standard practice to fit in with the needs of the proposed new process.

Work has been in progress throughout the year on methods for the production of organic acids by fermentation.

In continuation of the work supported by the Beamish Sugar Refineries laboratory research has been focussed on the production of pure lactic acid for edible and medicinal purposes. The production of commercial lactic acid on a plant scale is now in successful operation.

During the past ten years tremendous strides have been made in our knowledge of both the physiology and the chemistry of those important elements in our diet which are called vitamins. Each year adds to the number of those which can be either isolated from natural products or synthesized from simple chemicals in the laboratory. The rapid growth of those industries based on this knowledge indicates a growing recognition of its importance by the general public. In many countries state action is being taken to compel the introduction or retention of certain vitamins in staple foods, such as bread, and in addition stringent regulations are being enforced to control the sale of both food and pharmaceutical preparations.

We have endeavoured to make some contribution to these developments in Canada by placing at the disposal of manufacturers trained personnel and equipment to perform vitamin determinations on their behalf. During this period of rapid development this has involved a painstaking survey of numerous methods which have been recommended in the literature. We have been especially concerned to verify the new chemical methods which are more rapid and therefore cheaper and more suited to the work of a control laboratory. Not long ago it required 3 months to make an accurate measure of the B_1 vitamin complex by growth tests using white rats. Today the same information can be made available in 48 hours.

For several months we carried out biological assays of materials containing vitamin K, the constituent in blood which is anti-haemorrhagic. So far our results have not given us sufficient confidence to undertake any outside work involving the assay of commercial products. We suspect that the difficulty is associated with our basal diet and not in faulty technique.

Our facilities for determining the vitamin D content of foods have been enlarged during the year. The laboratory has been designated as one of the official testing laboratories by the Dominion Department of Agriculture which is endeavouring to set and control standards under the Feeding Stuffs Act. These regulations apply to vitamin A and vitamin D. Collaborative work has been undertaken with other laboratories to determine the effects of certain methods of procedure on the final assay figure.

For milk and other products intended for human consumption the rat-curative method is used for measuring the D content. Our laboratory has not only carried out commercial assays successfully, but by experimental work considerably improved our technique giving us much greater consistency and reliability in this important field.

After a careful study of the various chemical methods which have been recommended for the determination of B_1 we have in recent weeks concentrated our efforts on the fermentation method. Small additions of B_1 to a yeast suspension in sugar solution cause quantitative increases in the production of gas. The volumes of gas produced are measured accurately and we have been able to obtain consistent and sufficiently accurate results. Before undertaking outside assay work this procedure was checked by the rat-growth method. If the expected development of B-containing bread takes place this method should be of great assistance in control work either in flour or loaves. The Department is collaborating with a distinguished group of scientific men in the United States who are working together to develop cheap, rapid and reliable methods for these determinations.

A bacteriological method for the estimation of riboflavin has been slightly modified and standardized. It is now being used successfully in the analysis of human and animal foods.

To summarize: after careful checking and investigation of numerous methods this Department is now in a position to perform accurately and economically biological or chemical assays of vitamins A, C, D (rat and chick), B_1 constituents and riboflavin.

All of which is respectfully submitted.

Faithfully yours,

H. B. SPEAKMAN,
Director.

Appendix A

ADVISORY COUNCIL

Chairman: E. Holt Gurney, Esq.

Vice-Chairman: Edwin G. Baker, Esq.

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George McLaughlin, Esq	Box 235, Oshawa, Ontario.
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Paul J. Myler, Esq	Chairman of the Board, Canadian Westinghouse Co. Ltd., Hamilton, Ont.
T. A. Russell, Esq., LL.D.	President, Massey-Harris Co. Ltd., Toronto.

Appendix B

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Appendix C

ONTARIO RESEARCH FOUNDATION
BALANCE SHEET

As at December 31, 1940

ASSETS

Cash in Bank and on Hand:			
In The Canadian Bank of Commerce:			
Trust Bank Account	$ 57,318.61		
Operating Bank Account	19,969.48		
		$ 77,288.09	
Petty Cash		51.29	
			$ 77,339.38
Investments:			
Bonds (at cost):			
Dominion of Canada Bonds	$ 231,522.18		
Dominion of Canada Guaranteed Bonds	788,171.23		
Provincial Bonds	408,084.77		
Provincial Guaranteed Bonds	116,481.83		
Canadian Municipal Bonds	945,213.01		
Public Utility Bonds	269,719.00		
Miscellaneous Bonds	306,604.89		
Total Bonds	$3,065,796.91		
Accrued Interest thereon to December 31, 1940	40,724.29		
		$3,106,521.20	
Stocks, valued at market at December 31, 1940		407,507.50	
			$3,514,028.70
Automobile		516.00	
Less Reserve		475.00	41.00
Accounts Receivable		10,172.49	
Less Reserve		764.90	
			9,407.59
Stores and Containers			9,568.49
Advances			312.52
Prepaid Insurance			1,122.37
Duty Recoverable			228.69
Fixed Assets (being those owned by Ontario Research Foundation):			
Structural Additions and Alterations		$ 27,267.38	
Apparatus and Instruments		59,803.02	
Office Furniture and Fixtures		4,313.37	
Library		28,429.57	
			119,813.34
			$3,731,862.08

LIABILITIES, RESERVES AND SURPLUS

Accounts Payable			$ 1,444.60
National Defence Tax Payable			311.90
Reserves:			
Reserve for Income Stabilization		$ 240,000.00	
Reserves for replacement of Equipment owned and used by Ontario Research Foundation:			
Structural Additions and Alterations	$ 29,500.66		
Apparatus and Instruments	74,259.81		
Office Furniture and Fixtures	6,893.14		
Library	16,288.17		
		126,941.78	
Total Reserves			366,941.78
Surplus:			
Subscriptions Paid			$3,363,100.00
Income Surplus			63.80
			$3,731,862.08

Signed on behalf of Ontario Research Foundation:

RALPH SKELTON,
Secretary-Treasurer.

I have audited the books and accounts of Ontario Research Foundation for the year ended December 31, 1940, and I have received all the information and explanations I have required and I certify that, in my opinion, and subject to my report, the above Balance Sheet is a true and correct view of the affairs of Ontario Research Foundation as at December 31, 1940, according to the information and explanations given me and as shown by the books.

All my requirements as auditor have been complied with.

Toronto, Canada, January 15, 1941.

ELLIOTT ALLEN, F.C.A.
Of Allen, Miles & Fox,
Chartered Accountants.

ONTARIO RESEARCH FOUNDATION

INCOME AND EXPENDITURE ACCOUNT

YEAR ENDED DECEMBER 31, 1940

INCOME:				
Balance at January 1, 1940			$ 180.58	
BOND INTEREST:				
Received for year	$106,465.87			
Received (arrears)	7,777.16			
Accrued	40,724.29			
		$154,967.32		
Dividends on Stocks		28,664.76		
Bank Interest		168.92		
Researches for Industrial Corporations		82,797.82		
Royalties Received		566.91		
Discount Taken		175.25		
United States Premiums		5,862.36		
			$273,203.34	
				$273,383.92
EXPENDITURE:				
Salaries:				
Laboratory Salaries	$122,458.09			
Other Salaries	31,402.60			
		$153,860.69		
Laboratory Expense:				
Chemicals	3,766.34			
Apparatus	9,058.15			
Other Supplies	9,313.68			
Travelling	5,079.79			
Sundry	2,385.08			
		29,603.04		
General Expense:				
Audit and Legal	957.50			
Bank Charges	192.53			
Extension Work	3,431.76			
Fuel	1,680.39			
Gas and Water	1,997.25			
General Expense	6,542.37			
Insurance	2,072.07			
Light and Power	5,049.15			
Office Expense	1,854.96			
Postage and Excise	546.84			

Patent Expense	$ 449.78			
Repairs and Alterations to Buildings	1,528.73			
Staff Annuity Account	2,388.02			
Telephone and Telegraph	1,916.36			
Transfer Taxes	221.52			
Travelling	225.03			
		$ 31,054.26		
			$214,517.99	
Depreciation:				
On Structural Alterations and Additions		$ 3,319.20		
On Apparatus and Instruments		8,410.75		
On Furniture and Fixtures		756.21		
On Library		2,419.23		
			$ 14,905.39	
Transferred to Reserve for Income Stabilization			$ 43,396.74	
Transferred to Reserve for Doubtful Accounts			500.00	
				$273,320.12
INCOME SURPLUS AT DECEMBER 31, 1940				$ 63.80

Annual Report

UPON THE

Ontario Training Schools

FOR THE YEAR ENDING 31st MARCH

1941

PRINTED BY ORDER OF

THE LEGISLATIVE ASSEMBLY OF ONTARIO
SESSIONAL PAPER No 59, 1941

ONTARIO

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1941

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TO THE HONOURABLE ALBERT MATTHEWS,
Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

The undersigned has the honour to present the Annual Report upon the Ontario Training Schools for the year ending 31st March, 1941.

Respectfully submitted,

H. C. NIXON,
Minister.

HONOURABLE HARRY CORWIN NIXON,

Provincial Secretary of Ontario.

SIR:—

Every year it is necessary for Children's Aid Societies, Big Brothers, Big Sisters, Service Clubs, Sundays Schools, school teachers, courts, police, friends and relatives, and many others to assist parents whose children are behaviour problems. The great majority of these problem children are successfully adjusted by the efforts of the local citizens and officials. The failures are those who are sent to our Training Schools. For the year ended March 31st, 1941 there were 511, an increase of 15% over the previous year's total of 444.

The attached reports of the Advisory Board and the Superintendents reveal to some extent the thorough, careful effort which is made by trained minds of conscientious, self-sacrificing men and women to salvage this human material. We are proud that in this province we have those who give such faithful service. To help some faltering child to find his way is one of the noblest of human endeavours.

In mentality these boys and girls range from superior intelligence to morons. They come from well-to-do comfortable homes, and from places not worthy to be called homes. They come from the country, from the city and from places in the far north. In academic education they vary from near illiteracy to high school. In chronological age from ten to sixteen, mentally younger, but in evil knowledge some of them are old—so old.

Above all other things they have missed real home life and the careful guidance of kind, wise parents.

Obviously, the proper programme in the Training Schools must be just as varied and wide as the needs of these children. They have been developed accordingly and staffed with men and women who have a keen appreciation of the requirements, combined with a liberal supply of human kindness. These men and women, of course, have their deep disappointments, but more often they have the deep satisfaction of seeing their wards growing into useful, successful men and women. The fine patriotism of the graduates is proved by the large enlistments to the war services. These Training Schools are operating at a high degree of efficiency.

Since this war started juvenile delinquency in some of the large English cities has increased fifty percent or more. This is not surprising to trained social service workers, who appreciate the inevitable results of broken home life. In Ontario, the absence of fathers, and the temptations because of war conditions are partly responsible for the fifteen percent increase in the number of children sent to Training Schools this past year. But in other years there were some who should have been sent, but went instead to the Reformatory. A better appreciation of the good work of the Schools is spreading. They are therefore being used more when necessary, and the children are being sent while still at a younger, more susceptible age.

The Schools at Bowmanville and Alfred are well provided with land, buildings and equipment. St. John's School building is old and not fireproof. A new suitable building, or buildings, to replace it should be erected elsewhere on ample acreage. St. Mary's new School on Dufferin Street outside Toronto is almost ready for use. The buildings of the Galt School are new, very modern and suitable, and the acreage is adequate, but there the school population has increased away beyond capacity. Foster home placement has been used to the fullest extent, even to the danger point. It is foolish to place a problem girl outside the School until proper character and habits have been sufficiently developed. Very serious consideration should be given to enlarge present accommodation.

Again I wish to commend the innumerable citizens and officials who have so ably assisted in the work of these Schools during the past year, and to thank you and all our department officials for perfect co-operation.

C. F. Neelands,

Deputy Provincial Secretary.

REPORT OF
TRAINING SCHOOLS ADVISORY BOARD

To The Honourable H. C. Nixon,

Provincial Secretary.

Sir:—

We have the honour to present the tenth annual report of the Training Schools Advisory Board for the year ending March 31st, 1941.

During the year we have held 51 meetings at which 4,283 cases were presented. The record of each boy and girl in the Schools, or on parole under the supervision of the Schools, is reviewed every four months and more frequently when special attention is required.

The Training Schools of the Province are not penal institutions and should be looked upon as training, re-adjusting and educational in their function.

Upon entering a Training School each pupil is given a thorough physical examination, including tests for diphtheria, scarlet fever, and vaccination against smallpox. A tuberculin test is also given, and if this is positive it is followed by periodical x-ray examination of the chest. Mental examinations are given in each case, and these prove of great value in determining specific requirements in the training and education of the individual pupil.

The academic and vocational work carried on in the Schools is subject to regular inspections of the Department of Education. The reports presented by the inspectors show that the work in our Schools is conducted strictly according to the regulations of the Department of Education, and proves to be fully up to the standards prevailing in the Public and Separate Schools of the Province.

The policy of early return to the community, as recommended from the survey of pupils made last year has been pursued and an increasing number of placements are made at an earlier age than formerly.

The Board repeats its opinion expressed in former years, that there is a definite need for an institution for delinquent defectives. These children are utter misfits in our Training Schools and the Board does not approve of admitting them in any instance, but in some cases they are committed by the court when nothing can be done, except to attempt to have them transferred to the Ontario Hospital School, Orillia.

It is obviously difficult to maintain a proper training programme when the mental rating of the children ranges from 40 I.Q. to 120 I.Q. and it is felt that the Schools should be relieved of the defective group.

During the year 16% of the new pupils received in the Training Schools were mental defectives, and at the close of the year a total of 17% of all pupils in residence were mental defectives.

The Board believes that cases of severe chronic illness, such as incurable diabetes should not be admitted or committed to the Training Schools, owing to the specific difficulties in the care required by such cases.

The Board follows the policy of paroling pupils from the Schools as soon as possible, and recommends that not more than one ward of a Training School shall be placed in any one home at one time.

It is understood that a child goes to a Training School because of failure in social adjustment and as soon as it is believed that he can take his place in the community it is advisable to continue education and work there, rather than have him remain in the School. The value of home life is stressed, and if the child's own home is unsuitable then every effort is made to find a desirable foster home at the earliest possible moment. In order to secure a good adjustment, it may even be that more than one foster home has to be tried.

Nine per cent. of those at present in the Training Schools are children under the age of twelve, and our efforts to return them to some form of normal family life as soon as feasible will be continued.

Older boys and girls who may not return home have positions secured for them, thus enabling them to become self-supporting. This requires constant supervision by the Placement Officers, and in many instances continual contact is necessary. Reports from these Officers must be approved by the School Superintendent and submitted to the Board to ascertain that such placements continue to be satisfactory.

Owing to present conditions and the scarcity of help, there is considerable demand for our boys and girls, and as a consequence a goodly number have been placed in carefully selected homes, factories and plants. Sanction was given at a recent board meeting in which four boys and one girl were placed in munition plants, earning from $2.00 to $4.00 per day. There is a recent case where a sixteen year old lad was placed at wages of $72.00 per month and board, out of which he is sending his mother $50.00 per month. Another lad of sixteen paroled to his own home recently is earning $30.00 per week. The Superintendents of the Training Schools have been requested to encourage every boy and girl to save a portion of their wages.

In previous reports the Board has recommended that serious consideration be given to the possibilities of establishing more Juvenile Courts throughout the Province, and we again wish to draw attention to this matter. In the cities where Juvenile Courts are established, the co-operation of voluntary social agencies is of great help. There have been cases of boys and girls who were finally committed at fourteen and fifteen years of age, whose delinquency record would have justified them being sent to the Training School earlier than their eventual commitment, and would probably have resulted in a much earlier re-adjustment.

The rehabilitation of Indian boys and girls continues to be a problem. As it is considered that Indian juvenile delinquents should receive training in Indian Schools, your Board again recommends that suitable arrangements be made between the Provincial and Dominion Governments to permit all Indian delinquents to be transferred from the Provincial to the Dominion authority.

The Board is pleased to know that a new school with increased accommodation and more extensive premises is being erected by St. Mary's Training School.

The Board regrets that Mrs. H. P. Plumptre, who had been an active member of the Advisory Board since its inception, found it necessary last winter to resign owing to the pressure of Red Cross war work. To fill the vacancies caused by the resignations of Mr. C. L. Burton, former chairman, and Mrs. Plumptre, two new members were appointed,—Mrs. William West and Mr. Charles D. Gordon.

GEORGE W. HAMBLY, *Chairman,*
NELL WEST,
W. T. KERNAHAN,
E. P. LEWIS, M.B.,
CHARLES D. GORDON.

REPORT OF THE ONTARIO TRAINING SCHOOL FOR GIRLS, GALT, ONTARIO

April 1, 1940 to March 31, 1941

During the past year, one hundred and six new girls have entered the School. Comparison with the three preceding years shows a consistent increase of approximately twenty admissions a year. Four small dormitories have been constructed in the cottages to help cope with this increasing population.

Academic

The junior classroom is made up of the public school grades up to and including grade VII. There has been an average of thirty girls a month in this room during the past year. As a majority of these girls fall in the borderline and dull normal intelligence groups, many of their activities are of an auxiliary class nature. Girls who have been school problems before their admission settle happily into the congenial atmosphere of this group.

Vocational Training

The older girls who are preparing to return to the community as wage-earners, receive training in one of three vocational groups: the kitchen group, the power-operating group, or the laundry group. Each girl's interests and aptitudes are considered before she is allotted to a group.

There is a kitchen group in each cottage under the supervision of the dietitian. These girls receive practical training in the preparation and care of food, and every well-cooked meal enjoyed by girls and staff is a source of satisfaction and pride to them.

This year the major project of the power-operating group has been the making of brightly-coloured playsuits for each girl.

The girls in the laundry do the personal laundry and some of the household linen for the School. The quiet routine in the laundry appears to have a therapeutic effect on some of the more unstable girls. Many who enter the group rather reluctantly become enthusiastic workers.

During the year ten girls, two at a time, were employed in caring for the chickens. This work requires initiative and a sense of responsibility, and is particularly suited to the type of girl found occasionally in every group: the energetic, outdoor girl who finds housework exceedingly boring during adolescence.

Another coveted position is that of dental assistant. This girl is responsible for the care of the dentist's office and equipment, and helps the dentist while he is at the School.

Extra-Curricular Activities

Every girl spends certain periods each week in household science, sewing, singing, and gymnasium classes in addition to her regular group or school activities.

New gymnasium equipment installed this year has greatly stimulated the interest in physical education. Each girl has ample healthful exercise in the regular periods and in group games. During the spring and summer months, the girls swim twice a week in the Y.M.C.A. pool in Galt.

Their evenings are spent in general cottage activities or hobby groups. The aim is to develop healthy, leisure-time habits, which may be valuable to the girl when she re-enters the community.

REPORT OF WORK DONE IN LAUNDRY DEPARTMENT

Number of girls in group throughout year	67
Number of articles of girls' clothing	21,820
Number of articles of staff clothing	2,316
Number of articles of cottage linen	18,336

MARGARET NICKERSON,
Supervisor.

REPORT FROM SEWING DEPARTMENT

(1) 290 Cotton crepe nightgowns.
(2) 137 Twinkle cotton playsuits in various colours.
(3) 10 pr. Flannelette pyjamas.
(4) 111 Factory cotton butcher aprons.
8 Twinkle cotton aprons (white) for Home Economics.
(5) 22 Cotton housecoats.
(6) 2 Dresses.
1 Blouse.
(7) 24 Pot-holders.
(8) 18 Laundry-bags.
(9) 22 Place-mats, hemstitched all round.
(10) 16 pr. Curtains. Home Economics curtains had three rows of rickrack braid sewn on down one side and across the width of curtain.
14 pr. Tie-backs, also trimmed with rickrack.
(11) 12 Cushions, 6 large and 6 small, made for Mae Martin Lodge.
(12) 1 Slip-cover, made for English lounge chair for Mae Martin Lodge.
(13) 53 Alterations on spring coats.
50 " " winter coats.
112 " " dresses.
5 " " housecoats.
3 " " slips.
(14) Afghan—was made of 7″ squares, woven in wool and sewn together. Finished, it measured 54″ x 72″.
(15) Mending: (a) 20 Kitchen aprons (Straps patched and re-stitched).
(b) 48 Kitchen, laundry uniforms (Sleeves replaced, hems shortened).
(c) 1 Tunic mended.
(d) 16 Sheets—turned and hemmed.
(e) 23 Bedspreads.
(f) 86 Pillowcases (Seams stitched).
(g) 28 Bathtowels (Patched).
(h) 49 Facecloths (Patched).
(i) 16 Linen facetowels.
(j) 15 Linen tea-towels.

(k) 2 Shower-curtains.
(l) 3 Serviettes.
(m) 1 Place-mat.

O. A. Paladichuk,
Supervisor of Sewing Dept.

SUMMARY OF MEDICAL WORK

Admissions	106
Re-admissions	70
Rechecks	140
Hospital admissions	40
Number of days in hospital	176
Number of girls examined by doctor	1,375
Examination of eyes	81
" " ears	31
" " nose	11
" " throat	28
Vaccination for smallpox	—
Immunization for typhoid fever	—
" " diphtheria	—
" " scarlet fever	261
Tuberculin tests	290
Urinanalysis	157
Vaginal smears	232
Vaginal cultures	12
Blood Wassermans	158
X-rays	16
Metabolism tests	40
Bi-manual examinations	30
A.T.S.	2
Douches (vaginal)	300
Cauterization of cervix	1
Tonsillectomy	22
Appendectomy	—
Amputation first joint finger	1
Sub-mucous resection	3
Excision of venereal warts	3
Influenza	8
Diabetes:—New cases	—
—Treated cases	1
Syphilis:—New cases	1
—Treated cases	3
Syphilitic treatments	105
Gonorrhea:—New cases	2
—Number being given treatment	10
Gonorrheal treatments (sulfathiazole)	2
Amenorrhea	14
Menorrhagia	4
Haemoglobin	25

Scarlet fever	5
Bronchitis	2
Tonsillitis	9
Poison-ivy serum	10
Scabies	3
Impetigo	6
Catarrhal jaundice	1
Cellulitis	4
Fractured nose	1
Sprains	16
Burns	7
Accidents	3
Salpingitis	1
Barthalonian abscess	1
Boils	3
Pregnancy	12

During the past year the health of the girls at the Ontario Training School for Girls, Galt, has been good. All new admissions have had complete physical examinations, and any medical or surgical defects treated as required. Many cases showed marked physical and other improvement after such treatment.

During the year, there have been five cases of scarlet fever, one of whom was ill the day following her admission.

R. F. Slater, M.D.,
School Physician.

SUMMARY OF DENTAL WORK

Patients at clinic	724
Examinations only	205
Patients treated public charge	503
Patients x-rayed	23
Number of pictures taken	62
Extractions	166
General anaesthetics	7
Local anaesthetics	33
Fillings	1,111
Pyorrhea treatments	7
Replacements	5
Prophylaxis	59
Other work	7

Dr. Geo. A. Cowan,
Dentist.

PLACEMENT REPORT

	Western District	*Eastern District*
Number of visits to girls	1,306	1,251
Attendance at clinics and social agencies	284	101
Attendance at court	—	8

Homes and jobs investigated	244	230
Girls under supervision, March 31, 1941	87	115
Girls attending high schools	7	11
Girls attending public schools	6	13
Girls attending business college	1	1
Girls employed: Domestic	34	20
Factory	21	13
Hospital	1	3
Office	1	1
Waitress	2	1
Store clerks	2	—
Beauty parlor	2	—
Working at home	—	4
Girls unemployed	2	3
Whereabouts unknown	4	2
Other Institutions: Andrew Mercer Reformatory	—	14
Ont. Hospital School Orillia	—	17
Ont. Hospital, Cobourg	—	8
Ont. Hospital, Hamilton	1	—
Freeport Sanatorium	1	—
Salvation Army Home Hamilton	1	—
Humewood House, Torontao	1	—
Victor Home, Toronto	—	3
Mileage	17,891	20,314
	Madge E. Brewster	Jean D. Murray

Respectfully yours,

Beth Carscallen,
Superintendent.

REPORT OF THE ONTARIO TRAINING SCHOOL FOR BOYS, BOWMANVILLE

April 1, 1940—March 31, 1941

The movement of population remained practically the same as the previous year. The smaller number in residence during the Fall season permitted the closing of one cottage long enough to paint the interiors of the other four cottages. The closed cottage served as a "spare".

The usual regular inspections have been carried out respecting buildings and equipment, safety, water and milk, power plant, dairy herd, academic and vocational education.

Many of our ex-pupils are in the armed forces. The list has steadily grown and now numbers one hundred.

Academic Department

The academic staff's personnel was changed during the year. Two members who obtained leave of absence were replaced.

The allotment of classes was altered slightly. The new arrangement called for each teacher to have at least two grades to teach. The course of study was followed closely. Visits of inspection were paid by the local inspector who reported encouragingly on the work done in this department.

During the year the average number of pupils in the different grades was as follows:

Auxiliary	16
Primer	1
Grade 1	1
Grade 2	5
Grade 3	11
Grade 4	14
Grade 5	28
Grade 6	29
Grade 7	35
Grade 8	23
Grade 9	14
Grade 10	3
Grade 11	2

The average number of boys attending school the full day was 45.

The Entrance results were again encouraging. Thirty-one candidates of thirty-five writing, received certificates. The four failures included only one who had attended the School any length of time. The most successful Summer School yet held was that of last Summer. This was arranged for the smaller boys not included in vocational work. The general programme for this was from 8:45 a.m. to 4:45 p.m. five days a week and 8:45 a.m. to 11:45 a.m. on Saturdays. Each morning was spent in the classroom and each afternoon, weather permitting, found the spot which is commonly known as "The Cedars" an animated scene until it was time to go "up the creek" for a swim. The academic staff, with the addition of a counsellor, conducted the Summer School.

Health, art in all its branches, English, music, social studies and nature study were dealt with theoretically in the mornings and practically in the afternoons. Special programmes including contests and treasure hunts were held frequently.

As in former years several entries were made in the Durham County Music Festival held in Bowmanville. Besides receiving very helpful and complimentary remarks from the adjudicator, those competing were successful in being awarded bronze medals in classes for unchanged voices, tenor, baritone, and 'teen age. A silver medal was awarded in the bass section and the school placed first in the duet for unchanged voices competing in a field of forty entries.

As an outside teacher of instrumental music was not available this year, the work was ably continued by two members of our academic staff. Forty-eight boys received training in the rudiments of music and the playing of band instruments and violins. Interest was high and a large waiting list supplied new pupils to replace those sent out on placement.

Monthly variety programmes were held during the Winter. These uncovered the usual amount of talent. A solo festival to find voices suitable for festival work took place in the auditorium.

Talks on current events were given by senior boys during the year at the daily chapel service.

During the past year there has been an increase in the circulation of library books to the several cottages. A greater stimulus for reading has apparently been created. Groups of twenty-four books are sent weekly to the cottages. Many books were repaired. During the year 49 books valued at $22.24 were added to the library. The total number of books now in the library is 2,779.

PHYSICAL TRAINING DEPARTMENT

Over a period of years we have been steadily building up a programme in physical education to meet the special requirements of our special kind of school. Instruction and organization are so applied that each boy finds learning and competition at that level which is best suited to his capabilities. As he progresses there are definite steps which provide an ever increasing incentive.

It should be known that most boys come to us totally lacking normal play background. So we start with the earliest rudiments. The boy is taught to stand correctly and to walk smartly. Through marching exercises, general calisthenics, and a thorough training in elementary skills, the boy develops muscular control, poise, rhythm, timing, and self assurance.

Two periods of one hour and fifteen minutes each are devoted to physical training every morning and afternoon. There is a further period which is purely recreational each day after school hours.

During the summer months, evenings are turned over entirely to organized sports, as are Saturday afternoons and holidays throughout the year.

At no time are we without some organized league sport. Leagues are formed in various major and minor series to accommodate all stages of development.

Some time ago we adopted a form of draft, whereby any team may put in a claim for a player in a league of lower classification. Newly admitted boys are claimed in this manner. Results have been good and the draft is now a permanent fixture. Draft forms, as illustrated below, are readily obtainable and must be properly filled in before any claim is recognized.

DRAFT FORM

Player's Name........................Claimed by..................

League .... From .... League ....

To replace ....(Released, Graduated, Claimed, Ineligible).

(Signed)...........................

Each team may claim one player each week. Teams with poorest records have first choice when two or more claims are entered for the same player. Players who improve earn promotion. Players are kept on their toes due to the possibility of demotion. Losing teams strengthen and interest is maintained. Team captains develop executive ability. Minor series games are "scouted" and interest increased both ways.

Competition against outside teams is never stressed since our programme allows no time for the special coaching and practicing of representative teams. Yet when teams are picked for the occasional game they invariably do well. Eight games of basketball were played against the Bowmanville High School; our team winning four and losing a like number. In hockey two games were played, again with the local high school team. We lost one and tied the other.

The Leaders' Corps meets one night weekly and offers a course of advanced training, largely in heavy apparatus, for boys who apply themselves particularly well to the work and who show certain qualities of leadership. This is one organization that we would not care to do without. The leaders exert a steadying influence throughout the School. They are the ones who set the pace and by their general attitude promote enthusiasm among the entire group. The average strength of the Leaders' Corps is thirty boys. There are frequent changes in personnel as boys leave the School and others come up through the ranks to take their place.

A major project last Summer was the construction of permanent wings at the dam. This dam provides excellent facilities for outdoor swimming in the creek that flows through the School property.

Instruction in the Gymnasium.

The following work was covered in the regular periods of instruction: marching tactics, marching exercises stressing posture, poise, rhythm, timing, relaxation, Danish fundamental and corrective exercise, apparatus work on the horizontal bar, parallel bars, side horse, long horse, mats, ropes, skill drills, playing rules, system of play in hockey, basketball, football, rugby, touchball, softball, volleyball, track and field athletics and stunts and group games.

Instruction in the Swimming Pool.

Instruction and drills in leg stroke, arm stroke, breathing, timing, rhythm, relaxation, racing start, racing turns, in the following strokes: (a) Crawl (b) Back (c) Breast (d) instruction and training in springboard diving (e) diving to recover weighted, submerged object (f) general training for muscular development and stamina.

Championships and Special Events.

Annual swimming and diving championships—18 events, senior and junior—38 boys competed in the preliminaries—29 boys competed in the finals.

Annual gymnastic championships—135 boys competed in the first round tests on four pieces of apparatus—27 boys took part in the semi-finals—13 competed in the finals.

The outdoor demonstration in physical training was again considered an outstanding event. There were eight numbers on the programme with 106 boys taking part.

Organized League Sports.

Softball—June league—18 teams in 4 graded sections—181 boys—96 games.
    Midsummer league—18 teams in 4 graded sections—193 boys—168 games.
    Total number of league games—264.
Football—12 teams in 3 graded sections—162 boys—57 games.
Basketball—Fall league—12 teams—67 boys—24 games.
    Winter league—20 teams in 5 graded sections—149 boys—20 games.
    Spring League—15 teams—92 boys—64 games.
    Total number of league games—108.
Hockey—20 teams in 5 graded sections—149 boys—48 games.

AGRICULTURAL REPORT

General Farm Conditions.

There was sufficient rainfall throughout the season to produce good crops on the School Farm.

Some of the hay was injured at harvesting time by too much rain but plenty of good hay was harvested and stored to supply all our requirements.

The grain crop generally was of good quality and well up to the average in yield.

Corn, mangels, turnips and all garden crops were exceptionally good.

Two shipments of surplus potatoes and vegetables were made to the Girls' School at Galt.

Practical Agriculture.

Farm Apprentices.

One hundred and twenty-nine boys were assigned to the farm for training during the year.

These boys were all taught farm work by actually doing it from day to day. They were divided into three groups each group working with an experienced instructor. The boys on the groups were changed monthly so that they would all get experience in livestock, dairy and poultry work as well as garden and field work.

By this method they learn to do all the seasonal jobs arising on the farm from month to month and at the end of their stay here, they have become trained and useful farm help.

The boys are taught to milk, care for livestock and poultry, harness, hitch and drive horses, work with farm implements and generally get a good working knowledge of practical every day farm work.

They also hoe, weed and work in the garden, help spray the orchard and help plant and care for the fruit and vegetable gardens.

Sixty-three boys were placed out on farms in the Province during the year on wage contracts. In addition to these, there were quite a number of junior boys placed in farm boarding homes to attend school. These boys with some farm training here were useful chore boys.

Vocational Agriculture.

The boys in the Entrance Class had one period a week during Fall and Spring and two periods in the Winter in the classroom study of the following subjects:

Livestock.

Breeds and breed characteristics.
Care and management of farm stock and poultry.

Dairying.

Production of sanitary milk.
Milk testing and R.O.P. work.
Daily weighing and recording of milk of each cow in herd.

Soils.

How formed, classification, maintaining fertility, manures and fertilizers to use.

Field Crops.

Grain and hay crops.
Value of legumes on the farm.
Seeding, harvesting and storing of farm crops and vegetables.
Rotation of crops.

Rope Splicing.

Practice in making long and short splices.
Making up rope halters.
Attaching rope shanks to halters.

Forge Work.

Welding.
Making angle iron braces and brackets.
Sharpening harrow teeth.
Making and threading new harrow teeth.

Holstein Herd.

Official record of performance work was carried on in co-operation with the Department of Agriculture, Ottawa. Seven cows were entered in the R.O.P. during the year. Some of these have not completed the full period at the time of writing. The records of those completed are as follows:

Herd No.	Class	Days Production	Pounds of Milk	% Fat
2	Mature	365	16,488	3.8
21	2 yr. old	365	13,208	3.4
23	2 yr. old	365	11,068	4.1
3	Mature	365	11,206	3.6

The herd is fully accredited and blood tested and numbers twenty-four, headed by a sire of good type and breeding.

We are raising sufficient heifer calves from our best cows to take care of all replacements that are necessary to keep the herd up to full strength. A very creditable herd is being built up on the farm both from the standpoint of production and breed type.

Poultry.

Four hundred chicks were purchased and a flock of four hundred hens are maintained on the farm. The boys get experience in brooding and raising chicks and in the care and management of laying hens. A plentiful supply of eggs is always available and table birds for the school requirements.

Farm Improvements.

A concrete abutment was built along west side driveway leading into the dairy barn and the driveway graded, levelled and gravelled.

Door cut through wall into dairy barn basement and an exercise yard built on the north side of the barn for the herd bull.

New ventilators were built on the piggery to help eliminate dampness.

All interior walls and partititions in piggery painted.

Walls and interior of dairy painted.

Wash basin installed in dairy.

Farm tractor with tractor plow, cultivator, and disc harrow added to farm equipment.

FARM PRODUCTION REPORT

Feed and fodder	$2,182.00
Garden and orchard	1,432.40
Livestock, dairy and poultry	5,910.79
Hay sold	81.00
Seed cleaning	11.40
Old farm implements	60.00
	$9,677.59

HORTICULTURAL REPORT

The Horticultural Department is responsible for the care of the grounds, landscaping and greenhouse work. The grounds and boulevards are fairly extensive and require considerable work during the Summer season. There are twelve acres of lawns and boulevards to cut with lawn mowers; the perennial borders, rockeries, shrubbery and flower beds, to plant out and keep in order.

Landscape Work.

An area in front of the skating rinks was levelled and seeded.

A section of the North play field was graded and levelled. This added an additional football field to the play grounds.

Sodding was done around the Dining Hall and Kiwanis Lodge to protect walls and make it easier to keep it clean and tidy.

The shrubbery was thinned out around all the buildings and re-arranged. The shrubs removed were placed where needed around the grounds.

Additional planting was made in the perennial border. Many clumps of perennials were divided and used to fill in vacant spaces in the border and rockery.

Greenhouse Work.

In the greenhouse a considerable number of boys can be kept busy throughout the Winter season when outside jobs are scarce. The building is also used to start all the early vegetable plants for the School garden and the annuals and potted plants for the flower beds.

Four thousand early vegetable plants and eighteen thousand annual flower plants for bedding purposes were started in the greenhouse during the late winter and spring season. These all required to be transplanted twice, once in the flats and then into the open ground.

Horticultural Apprentices.

Seventy-one boys were assigned to, and worked on the horticultural group during the year.

Each boy had a small section of a bench in the greenhouse where he would propagate and grow flowers from cuttings and seeds. He was responsible for the care of this section himself.

In the growing of the vegetable and bedding plants the boys get good practice in repotting, transplanting and setting out plants in the beds and borders.

REPORT OF GENERAL MAINTENANCE DEPARTMENT

This department carried on a varied program of activity, including building repairs ranging from extensive masonry work to artistic redecorating of the interiors. In the general shop program we have carried on all types of work common to the general repair shop, and in addition considerable sheet metal work.

Redecorating.

Completed painting of four large dormitories in three harmonizing colors; the tile and locker rooms of two cottages; three rooms and the area leading to the basement of the dining hall, and the pasteurizing room; the upper halls and the outside of the hospital. The kitchen, rear porch and steps of the superintendent's residence were also painted. In addition to these. all fire hydrants and manhole covers, interior of piggery, interior of skating hut, farm sleigh and several wheel barrows were painted.

Sheet Metal Work.

Repairs to brooder stove, milk pails, water pails, fly sprayers, separator bowl and milk cooling tank for the farm. Making of smoke pipe for the furnace in the herdsman's cottage, the brooder stove, the cook stove in the piggery, and hot air ducts for the furnace at the Somers' farm. Manufacture of three dozen water pails, two garbage cans, twelve water troughs for the chicken houses, new cover for the cook stove at the piggery, radiator cover for the kitchen; humidifiers for radiators in hospital, 12 flower pot holders for South Lodge, new hopper for the potato planter, new strainer tank for potato peeler and metal flashing for the piggery roof.

Making and installing ventilator stack for pasteurizer room, soldered repairs to water pails, watering cans, insect sprayers, etc., and pipes and fittings for pasteurizer equipment.

General Shop.

Forging tractor hitch for road drag, truss rods for boiler repairs, special eye bolts, tractor hitch for binder, and heavy braces for barn doors. Repairs to farm wagons, potato spraying machine, gang plow, and large cast iron kettle for piggery. Overhauling and keeping lawn mowers in condition, and assembly of new mowers. Machining thrust washers for Hobart mixer, turning and fixing new bronze bushings and pistons for hydraulic pump in power house. Making fixtures for bending wire coat hangers and making up 500 hangers. Re-building Hobart potato peeling machine, sharpening skates and scissors, turning guidebars for Detroit stoker, reseating valves for pasteurizer pump, making plates and anchor bolts for window closing mechanisms. Replacing sagged bed spring fabrics with new fabrics. Building a new snow plow and necessary frame to carry it for the school truck. A ventilating fan was installed in the pasteurizing room, and in addition something over 500 welding and brazing operations have been affected on equipment from the power house, farms and other school departments. We have fabricated two coal chutes and hopper covers, fire rakes and hoes, custodial screens, etc., by welding.

General Maintenance.

Considerable repairs were necessary to plaster walls in the dormitories before re-decorating, also replacements to broken floor and cove base tiles in cottages. Concrete walks were laid at the south side of Kiwanis Lodge, new walks and door sills east of dining hall, new walks and door sills at north entrance, and door sill, masonry repairs and concrete slab at basement entrance at dining hall. Erected a reinforced concrete retaining wall with a welded iron pipe railing at the north side of Darch barn.

Considerable work was necessary in levelling off a new section of play field and in landscaping the area on either side of the Darch Lane. This work along with the concrete work made it necessary to haul large quantities of earth for fill and sand and gravel for concrete. In addition to this, the heavy snow fall of this winter made it necessary to keep the snow plow busy on many occasions.

An interesting variety of practical repair and construction projects provided useful occupation for the woodworking and carpentry workers as follows: Building of poultry shelters and feed hoppers, a door for North Cottage, benches, book shelves and wardrobe. Turning of six dozen baseball bats, chisel and file handles, ornamental spheres for front entrance; repair and refinishing of School desks, games, equipment, chairs and dressers; overhaul, refinish and fitting of new tops to dining hall tables; making new handles for lawn mowers; repair and repainting fly screens; glaze, fit and hang storm sash on cottages, etc.

The Shoe Repair Department made repairs to 1,049 pairs of boots as well as rubbers, rubber boots, baseballs, belts, leather coats, hockey boots and slippers.

Hobby Work.

The development of hobbies occupies a large portion of a boy's leisure time during the Winter months. Impetus is provided by the knowledge the best projects may be entered for competition in the Annual Lions Club Hobby Show held in the town of Bowmanville. It is gratifying that nearly 100 prizes were awarded Training School entries.

The entries showed a wide variety of interests as follows:

Art—posters, greeting cards, murals, pencil and ink sketches, stencils, silhouettes, still life studies, and penmanship.

Collections—stamps, scrap books, wood samples.

Construction—bird houses, puppets, planes, boats, and kites.

Domestic Art—embroidery, cork work, weaving, cushion tops, needlework, knitting and darning.

Cookery—candy, cookies, tarts, biscuits, and cakes.

In addition to the above group, projects were entered from cottages and academic classes.

REPORT OF PLACEMENT DEPARTMENT

Boys receiving supervision at beginning of period		471
Boys discharged during period		290
Boys re-admitted to the School	69	
Boys released from guardianship	168	
Boys employed on farms	66	
Boys attending Public School	163	
Boys attending Secondary School	20	
Employed in factories	54	
Employed as messengers	27	
Employed as salesman	1	
Employed as bakers	2	
Employed at shoe repairing	1	
Employed as gardener	1	
Employed at miscellaneous work	38	
Unemployed	13	
Boys in Mental Hospitals	11	
Boys in Sanatoria	1	
In other institutions	84	
In Toronto General Hospital	1	
Whereabouts unknown	37	
Employed on railroads	2	
Employed as hospital orderlies	2	
	761	761

Boys discharged during the period		290
Placed in foster homes	85	
Placed on farms	62	
Placed in Working Boys' Home	30	
Home to attend school	24	
Home to seek employment	65	
To other institutions	24	
	290	290

Boys under supervision end of period	524
Number of visits to boys	2,351
Homes investigated	237
Attendance at Clinics and Social Agencies	108
Attendance at Court	18
Other contacts	83
Total number of boys in paid homes at the end of year	142

HEALTH REPORT

Dental.

Number of patients at clinic	1,010
Examinations only	552
Patients treated	458
Number of extractions	206
Number of local anaesthetics (nerve block)	162
Number of fillings	1,012
Number of pyorrhoea treatments	6
Number of prophylaxis	357
Number of other treatments	21
Number of porcelain crowns	6
Number of bridges	1
Total number of operations	1,771

Medical.

Operations:	
Tonsillectomies	39
Circumcisions	4
Appendectomies	3
Hernioplasties (1 double)	3
Amputation of finger	1
Aggregate attendance at sick parade	3,885
Boys seen at clinic	1,884
Physical examinations, new boys	200
Physical examinations, re-checks	538
Boys seen while patients in Hospital	1,460
Tuberculin tests	354
Smallpox vaccinations	49

Several fractures and smaller injuries were treated, and are included in the above figures.

Social Work Agencies.

During the year much assistance has been rendered by various social work agencies throughout the Province. Children's Aid Societies have given generously of their time in the preparation of reports on the suitability of homes and have aided materially in the supervision of boys on parole.

The Big Brother Movement operates in two Ontario Cities, namely, Hamilton and Toronto. Boys committed to our School from these centres have in most cases been under Big Brother treatment previously and these organizations renew active contact after the period of training is completed and the boy returns home. Pre-

Parole Conferences are arranged by the Big Brothers in both cities. All social work agencies which have been interested in the boy whose parole is being considered are represented at the conferences. A report typical of Big Brother work is shown below. These figures are for Toronto:

Attendance at 12 monthly conferences.
Reviewed 92 cases.
Investigated 68 homes.
Assist in supervision of 33 boys.

The Working Boys' Home in Toronto provides an excellent outlet for the placement of older boys whose own homes are not suitable and who are not placeable in rural employment. Here, adequate lodging at reasonable rates, and much needed supervision are provided. Employment is found and boys work out during the day in various occupations. Most boys capable of further education are enrolled in night school courses. Nearly fifty boys have been assisted by this commendable institution in the past year and at the end of March thirty-five were still in residence there.

A. R. Virgin,
Superintendent.

REPORT OF ST. MARY'S
TRAINING SCHOOL FOR GIRLS, TORONTO

April 1, 1940 to March 31, 1941

Writers of prose and of poetry through the Elizabethan era and onward, often invoked the aid of natural forces or of beauty when they put pen to paper. With dramatic intensity they called upon light, heat, music or song for help to make their inward vision perceptible to others. No doubt the multitude of images which clamoured for expression make selection confusing. It is more or less comic to measure the intellectual giants of that period as we start to gather facts for our present lowly and obscure history. We look up to them, however, and though we cannot achieve the stature of the giants we can, at least, build to the height of the pygmy. The essential is that we build. Not lack of material delays the pen but problem of choice.

At the end of March, 1940, eighty-one pupils were in residence. At the end of March, 1941, eighty-six were in residence. Thirty-six had been admitted and thirty-one had been dismissed. It would be possible to write at length about each one of the collective number. The reader would find sufficient human interest, a settled type blossoming into a diversity of characters and qualities. There were fewer children of Central European parentage. French-Canadians and Northern European races were in the majority. A younger average age was in evidence and delinquency followed the line of theft in more marked degree. Better intelligence was an outstanding feature of admissions. They are more shrewd, ruthless, keen, selfish, restless, than former groups.

Let us study the group as an unit and with the detachment of an observer. It is a surer method of avoiding practiced deceit, disguise, subterfuge. These children have suffered irreparable loss by missing the memories of family life, parents, brothers and sisters. When they look back, over a short road it is true, they are not remembering mother and dad, the sweetness and solace of home. Few among our pupils have such memories and to this may be attributed the unusual expressions which flit across countenances. One sees a hunger or a mental quest, a sadness or a bitterness, a doubt or an amazement, when, during readings aloud, a picture of family life is outlined. They must wonder what it would be like to have mother and dad equally loved and equally loving, a domestic group happy and contented in its own orbit.

The fact just mentioned is reiterent with teasing monotony. It is a significant fact. The cause of youthful delinquency and its excuse as well, may be assigned, largely, to this privation.

The lack of family ties with other causes contributing have produced a clearly defined difference between the pupils of to-day and the pupils of five years ago (even so short a period). To-day we train children worldly wise beyond their years, intelligent, vibrant, daring. The mental fibre is woven with little sentiment. It does not yield to pressure easily. This is an advantage to them when they are returned to society but it presents difficulties to present training. Authority is resisted, obedience is flouted, reverence is disdained. There is a notable lack of faith in Christian truths and a lack of love for religious duties.

Those wards who are under supervision astonish us by the calm audacity with which they face adjustment. They are quite intrepid, quite unperturbed. They look upon life as an adventure and they accept what it has to offer with high courage. "I'm going to get by," is their slogan. They find assurance in their own vivid energy, their confidence in themselves. A troubled world does not enter into their reckoning.

The academic course showed good results. Fifteen pupils passed the Entrance examination and the High School classes were satisfactory. Few dislike school. There exists an eager desire to advance in educational lines. Because they have fewer distractions they have leisure to concentrate and the greater number love study, learning, the acquisition of knowledge. They absorb instruction. This attention produces a pleasantness and an industry in the schoolrooms. Teachers find consolation therein and pupils find peace of mind and heart.

Vocational and artistic training occupied all spare periods. Cooking and kitchen work take up a considerable time. The kitchen is large, well equipped, and the children prepare all the food for their own group. They weave fabrics, make rugs, knit sweaters, sox, mittens, baby outfits. They learn the intricacies of tatting, crocheting and embroidery with comparative ease, and these occupations are useful in themselves apart from the value of the finished commodity.

Handicrafts secure the attention of restless little girls who will spend long periods of silent effort in order to master a shuttle, a hook, or a cross stitch. They work in water colors, oils and crayons to their own satisfaction and the complacency of their friends. Artistic talent is found, sometimes, in the least artistic setting. When such pupils are encouraged it happens frequently that a change for the better is in progress on the lines of character building. They grow more womanly, more pliable, more disposed for companionship.

Recreations demanded wise and careful supervision. Space allowed for roller and ice skating, basketball, races, swings. Indoor recreations consist of music, dancing, games, cards, dramatics. All take part with enthusiasm. The moving pictures are had every month and this form of entertainment is popular. An ordered recreation is an aid to discipline and good direction.

Supervision was uneventful except for the persons actively concerned. Contact with the School remained even when there were minor infractions of the terms of parole. Domestic placement was found more satisfactory than other employment to start. Good and abundant food, a private and personal room, the home atmosphere were factors toward a sane and healthful adjustment. Incidentally, it enabled them to build up a suitable and a becoming wardrobe, so essential to the happiness and the comfort of teen age girls.

We thank God for having been spared all serious illness. A trained nurse, secular, has been added to the staff and this nurse is on duty eight hours each day. The medical specialists, to whom we offer our deepest thanks, were regular in service. All recommendations from the psychiatric were given careful attention and Dr. Hamlin gave unremitting and precise care. General health was good.

Our task ends with the reverent duty of gratitude. We thank every member of the Department under which our School operates for the kind and gracious assistance always given when we ask. We are more appreciative of this and more grateful than words can state. We thank, too, the members of the Advisory Board for the invariable kindness and wisdom they manifest in dealing with the problems of St. Mary's Training School.

We have the honor to remain,

Your obedient servants,

THE SISTERS OF THE GOOD SHEPHERD.

REPORT OF ST. JOHN'S

TRAINING SCHOOL FOR BOYS, TORONTO

April 1, 1940 to March 31, 1941

Multifarious are the assigned causes of delinquency. Modern sociologists and psychologists no longer follow the tenets of Lombroso, who thought that all criminals are marked from birth to a career of crime, and may be readily detected by their stigmata of degeneration. Heredity is not now looked upon as a predominating factor in delinquency; in its stead environmental influences are held responsible for any deviation from the paths of rectitude. Trained workers stress the influence of the home, the potent power for good of the father and mother, the need for kindness, for pleasant and useful activities, both in and out of the school, the role played by adequate recreational facilities and health, and the incalculable value of religion, which serves as a solace in misfortune and a curb in temptation.

A training school, such as St. John's, unfortunately cannot prevent delinquency, at least not directly. But its influence in smoothly and steadily re-adjusting the lad who may have slipped, is greater than we can readily estimate. All noxious influences are eliminated and those elements missing in the young delinquent's life, which are in part responsible for his present anti-social attitude, are deftly brought into play while he is in the training school.

First and foremost, the young lad admitted or committed to our care from the courts, generally comes with a grudge against society, and often with a deep resentfulness of his parents who may not have treated him with a deep sympathetic kindness, and the discipline which he badly needed. But at St. John's he is immediately accepted and no one questions what he has done. The past is forgotten,—what is important is the present, and most of all the future. The dark clouds soon roll away and the sun shines more brightly once his initial period of lonesomeness is over. Happiness in the school, in the limited fashion of course that it may be achieved, is essential. No one who visits the school can doubt for a minute that the lads are happy. Their smiling faces, their eagerness to cooperate and their genuine interest in all that pertains to the school is an index of the joy that pervades their life. In the stimulation of such a happy attitude the personnel is of the utmost importance. At this point I wish to convey my gratitude to my fellow workers, to the Reverend Chaplain, to the Brothers who labor so well and so zealously, to the men who are in charge of the shops and to the skilful professional men of the medical services. The heart of the school, and the predominant factor in its success is found in this competent and devoted body of men working in closest unison.

An essential feature of re-education, and one most tangible in its results, is the health of the boys. Careful preliminary examinations, prior to his entry, are made either in the boy's home town, or at the Toronto Psychiatric Clinic, under the guidance of Dr. E. P. Lewis. Frequent and meticulous examinations by our house physician, Dr. J. J. Hurley, supplemented by visits when necessary to St. Michael's clinic and hospital, soon succeed in restoring the boy's health, when it is not up to standard. In this connection the following tabulation is presented:

Table 1

Spinal meningitis	2	Cleft palate	1
Tonsillectomy	8	Kidney treatment	1
Circumcision	12	Tuberculin test	131
Fractures	5	Appendectomy	3
Surgical treatments	18	Glasses supplied	3
Hernia	1		

The dental care of course is important. We are fortunate in having the services of Dr. W. H. Godsoe, who for a number of years now has been so generous in his time and services. Dental services during the year were as follows:

Table 2.

358	boys were examined at 44 clinics.	11	Cement fillings.
202	Amalgam restorations.	1	Gold inlay.
53	Synthetic procelains.	5	Partial dentures.
183	Extractions.	2	Complete upper dentures.
40	Treatments.	13	Surgical extractions.
		5	Removals of nerves.

The average boy, however, is of sturdy physique and is not in need of specialized medical care. He craves vigorous and healthful activity, and at St. John's this is forthcoming in abundance. All are encouraged to play; soon even the veriest tyro acquires a skill and zest for sport that often elicits the admiration of those who see our boys on the athletic fields. The best of the athletes participate in regular city league games. For some years now they have carried off more than their share of championships in hockey, in lacrosse and in baseball, and the teams from St. John's are always a factor to be reckoned with when the play-offs come around. We at the school look upon this participation in city leagues as one of the best influences in the re-orientation of the boys socially. They are proud to play for the school, and their conduct is always beyond reproach. This is not to be wondered at, for they must satisfy rather rigorous requirements which have nothing to do with athletic ability before they can become members of the various teams. Fortunately we have in our Athletic Director, a man whose outstanding success in coaching is due fully as much to his popularity with the boys as to his long experience.

It must not be thought that attention is centred solely on the cream of the athletes. They attract some attention it is true, but the essence of the athletic program is complete participation by every boy in the school. This is done, not merely from the standpoint of recreation, and of health. In competitive sport our boys learn to become skilful and self reliant, to merge their efforts with those of the group, and to curb their tempers. In our school, particularly, where we do not enjoy the broad acreage that is the pride of many a school, with the consequent agricultural activities that are so helpful mentally and physically, we must seek some other means of using up surplus energy and of developing character and initiative. It is our intensive sport program that permits us to do this, with what we are pleased to thing, a fair modicum of success.

But one must not imagine that all is play at school. Day in and day out, the normal routine of class and shop sobers our lads and teaches them to earn their way in this work-day world. A great part in the rebuilding of the characters can be ascribed to these daily activities. Steadfastness of purpose, reliability, industry and skill, are the objectives, and in most cases satisfactory attainment of these objectives is achieved.

Finally religion is paramount in character rebuilding. The disciplinary value that it entails is important; but far more important is the solace that it brings in the dark moment of discouragement; and for boys who have fought through embittered defeat how often do they occur? Religion stresses the fact that they are personally responsible to themslves and to God for their conduct. In a subtle but powerful way it dispels a fatalistic view that they are but drifting powerlessly in a cruel and malignant maelstrom of evil for which they are in no way responsible, and substitutes the philosophy of personal responsibility and moral worth. Without the influence of religion, all rehabilitation of our boys would be a dreary and vain task indeed.

All these influences are moulded into a harmonious unity, but they do not obtrude themselves and the lad is not aware of them. What he perceives is kindness, activity and vigorous fun. Slowly and imperceptibly his character is moulded, and the good that is present in every lad no matter how wayward is bound to come to the surface. In the short time that he is under the influence of the school he makes tremendous strides, and more frequently than not, he is completely rehabilitated as a useful member of society.

The task devolving upon the staff of the school is an onerous one, and often has its moments of bleak disappointment. In these moments, the understanding and encouragement of the Deputy Provincial Secretary's Department is a reward for our endeavours and a stimulus to greater efforts.

May I draw to your attention two noteworthy occurrences of the past year. The Service Clubs of Toronto, and in particular the Beaches Lion's Club, have been particularly helpful to the school. They encourage us by their presence at our activities and recently in a more tangible fashion, by the presentation of a splendid and costly diving float. This summer should any of these gentlemen visit us during our swimming periods, we will be pleased and proud to stage an exhibition for their benefit, which may not be the last word in aquatic skill, but will certainly manifest in a boyish and exuberant fashion our gratitude.

And here we are proud to pay a tribute to our former medical director, Dr. R. W. Boyden, who for years looked after our boys with a skill and devotedness beyond praise. He has enlarged the sphere of his usefulness and has left us to become Medical Officer of the Irish Regiment of Canada. We thank him for his many kindnesses and admire him for his loyalty to his country. With him at Camp Borden are many of our former pupils who have proudly joined His Majesty's Service.

Sincerely yours,

BROTHER STEPHEN,

Superintendent.

REPORT OF ST. JOSEPH'S
TRAINING SCHOOL FOR BOYS. ALFRED, ONTARIO

April 1, 1940 to March 31, 1941.

Number in Residence, April 1st, 1940	119
Number in Residence, March 31st, 1941	130
Average Daily Attendance	116

Academic Report.

We have four groups of pupils, divided as follows:

Grades 8 and 9	16
Grades 6 and 7	17
Grades 3, 4 and 5	27
Grades 1 and 2	34

The organization of the school as far as the division of grades was concerned remained the same for the whole year. For the first time in the history of our school a regular class was organized for Grade 8, with full-time students. The matter of whether it was better to have the more advanced pupils work in the shops or do intellectual labour all way in the class-rooms was debated with the Advisory Board of the school, and we came to the conclusion that it was better for them to be in their respective rooms as long as possible. The New Course of Study was followed and the results obtained were on the whole satisfactory.

Singing lessons were regularly given in all the different groups, and several creditable performances have been staged by the pupils of all the departments. The entertainment given around Christmas was a special treat. The programme was varied and interesting, the behaviour and general bearing of the boys so satisfactory that the audience we invited for the occasion found the event exceptionally good and an excellent note for the institution. These musical and singing lessons were very useful not only as a training for the voice and ear, but were at the same time a great help in developing and maintaining the religious emotions in our boys. As a consequence of this work, we were often able to sing the different religious services in our chapel, and have the pupils participate in the singing, either of the High Mass or the Vesper Service, specially on the great feastdays of the year: Christmas, Epiphany, Easter and Pentecost.

In each of the class-rooms, we stressed the necessity and encouraged the teaching of good and correct speaking, but unfortunately the pupils did not respond as much as they should have, specially when talking among themselves in the recreation and work periods.

In the lower grades, we employed for some time a regular teacher whose duty was to mind the backward boys and give them special reading lessons every day to permit them to catch up to the others and follow the general movements of their group. We received this year ten boys who didn't know a word of reading, and after some months of very careful work, they could read as well as the pupils of grades 1 and 2. All these boys are full-time pupils.

Much time was devoted to drawing in those grades, and the academic methods of conducting an Auxiliary Class were made use of with concrete material and images of all kinds.

We bought for this department twenty-five large wall-pictures bearing on religious subjects, and many other useful objects for intuitive teaching. As a hobby, those children liked to collect stamps, cut pictures from catalogues, paste them in their scrap-book and write the names, in French as well as in English, of the objects represented by these pictures. We also bought for these grades thirty-six "Drawing-Books", and once a week, Friday afternoon, the teacher concerned gave a very interesting lesson in colouring designs. We were much satisfied with the work done with those younger pupils, and we promoted twelve of them in September, 1940, at the reopening of the school year. All kinds of songs were taught to the pupils of this group. Every day, the teacher made the boys sing either a patriotic, religious, college or humorous song.

In grades three, four and five, we still have twenty-seven full-time pupils. The boys of this class have attracted the attention of the school and the many visitors that came to see their very interesting exhibition of drawing, specially the exhibition of black silhouettes mounted on glass and covered with cellophane. 500 models of all kinds were exhibited and 240 mounted on glass. When a pupil leaves the school, he is given one of these drawings to keep as a souvenir of his work in the drawing-class. Seventy-six wooden objects were also on exhibit there, models carved either with a jack-knife or other small carving tools.

The circulation of the library books during the past year was kept up as usual. Four boys are still in charge of delivering the books to the sixty-five pupils who are interested in reading supplementary books. They are allowed to change them daily if they wish. Occasionally, the children are invited to give an oral account of their reading. Most of the reading is done in class during the supplementary reading period set aside in the time-table for this subject, and also during recess, outside the class-room.

The school library contains over 500 English and French books. Moreover, the children are allowed to read the following periodicals: the Newsweek, the World Affairs and the Citizen. Those publications come regularly to the school and many boys enjoy the privilege of being permitted to read them. The pupils of Grades 7 and 8 are interested in collecting post-marks as a hobby, a very useful occupation for rainy days. Many of the boys have their own scrap-books, and work at their favorite pastime in their spare moments. Thirty pupils have taken this interesting collection as a hobby and are still working at it.

Religious Training.

Our endeavours are devoted to impress upon the boys the value of religion in life. We are aware that the main factors of delinquency are adverse home conditions and evil company; and many a boy comes to our school with little or no appreciation of things sacred. Fortunately, we are well equipped to look after their religious needs. Besides daily classroom instruction in religion, our Chaplain gives two formal talks a week on moral or ethical subjects. We inaugurated in September a very profitable course in religion for the benefit of the boys who work in the kitchen and in the dining-hall. As those children stay outside the classroom most of the time, they are thus prevented from enjoying the benefits given to the other pupils. This course is given once a week. In March, we organized a special retreat for all the children of the school. We had two missionaries, and the services were conducted and the sermons delivered in English and French, the boys being free to choose the language they preferred. As usual, we gave a weekly lecture to the whole school, presided at three entertainments during which the examination results were proclaimd publicly in the presence of the boys, the staff and a few invited friends of the institution.

Due to the close co-operation between the Superintendent and all the members of the staff, those public celebrations were highly successful and greatly enjoyed by all. The feast of Christmas was celebrated in the usual way, and most of the gifts were donated by the friends of the school. Four boys were confirmed and made their first communion in our chapel. We bought a series of religious pictures to be used in the periods of ethical instruction, pictures three and a half feet long by two and a half wide, mounted on cardboard. Those pictures proved very useful for intuitive teaching.

In order to avoid boredom and tediousness, twice a week we say some of the prayers aloud, during Mass, changing them from time to time, for variety sake.

Health Report.

During the year the health of the boys in the school has been very good. There was no serious illness to report and there was nothing contagious. As usual, the pupils received constant medical care under the guidance of Dr. Tittley, and his directions were followed in every respect. Four cases of fractures, sustained during play, were attended to at once. There were three tonsilectomies, but no other operation during the current year. Our doctor made 62 visits and 353 examinations.

The school dentist, Dr. J. J. Kirby, from Hawkesbury, came to the institution once a week, on Tuesday morning, to give his professional care to our boys. He made 325 examinations, 249 fillings and 157 extractions. Repeatedly, he manifested his satisfaction at the way the pupils were taught to clean their teeth, and he found that the children needed very little medical attention after his first examination.

Summer Camp.

During the summer months of July and August, we organized a regular summer camp at Point au Chêne at the confluence of the Rouge and Ottawa Rivers, a distance of twenty-three miles from the school. Most of the boys were allowed to stay from two to three weeks at the camp if they wished and if their conduct had been satisfactory. We sent from twenty-five to thirty campers in each section from July 1st to September 2nd when we broke camp and resumed the scholastic work of the year. As this organization required many supplementary supervisors, we were fortunate enough to find twelve good men, friends of the institution, who were quite willing to devote a few weeks of their precious vacation months, either in the classrooms or in organizing games on the playground, a generosity which we highly appreciated indeed.

Physical Training.

From the standpoint of results obtained, the past year has been very satisfactory. The programme in physical education and organized sports was on the whole the same as last year's. Class periods followed a definite course and instructions were designed to train in skills as well as in fundamentals, and to prepare the boys for full participation in all sporting activities at the school. The annual indoor demonstration in physical training was well attended and a very successful event.

We divided the gymnastic classes into four groups, as follows:

First Group	14 boys
Second Group	18 boys
Third Group	24 boys
Fourth Group	20 boys

Occasionally, specially when we received many new boys at the same time, we were compelled to organize a temporary fifth group until the new-comers had developed sufficient skill in the fundamentals to be able to catch up to the other groups.

Here are some of the points covered in the periods of instruction: Marching tactics, corrective gymnastics, apparatus work on the horizontal bar, side horse, long horse and the sword dance.

During winter, we had two rinks at the disposal of the boys, and they had a very enjoyable season, playing games either on our ice or on outside rinks. We organized twenty-three different hockey teams among the boys and 234 games were played. The main teams were the Speed King which competed with the different teams of the Ottawa River Shore Hockey League, and the Saint Joseph that was made up of players under seventeen. The Speed King won the Mercil Trophy, playing against La Salle Academy team, Ottawa. In the summer, baseball was very popular with the boys, and as most of the games were played on our ground, great interest was evidenced by our neighbours who regularly thronged to our park to see our boys perform and thus stimulate them to greater effectiveness.

A few years ago, the boys, working under an instructor, constructed a dam and dug a good swimming pool in the creek which flows through the school property. During July and August, those boys who were not sent to the camp enjoyed two swims a day, one in the morning and one in the afternoon. This outdoor pool afforded excellent facilities for instruction and training in springboard diving, swimming strokes and general training for muscular development.

At the annual demonstration of gymnastics, the orchestra of the institution made up of thirteen players accompanied the marches and dances on their instruments, consisting of mouth organs, clappers, guitar, mandolin, spoons and piano. In order to occupy as many boys as possible on the playground, we had fourteen swings built near the tennis court and kept in good repair all the summer.

Vocational Training

Shoe Department.

This division has been very active during the current year. We hired a new instructor and we now have three men in charge of fifteen apprentices, of whom twelve are full-time workers, working about five hours a day, with two half-holidays, Wednesday afternoon and Saturday afternoon. We generally keep two boys doing the same kind of work, changing them from time to time to give them a general training, and at the same time create a little variety in the work. A few alterations have been made in the shoe shop. A new electric system was installed at a cost of $150, and other improvements were effected to facilitate the movements of the workers and thus increase the production: two cupboards were made; tables and shelves changed and put in the centre of the room at the reach of every one.

Shoe Making and Repairs.

Leather boots made	2,119
Hockey boots made	100
Hockey boots repaired	54
Leather boots repaired	1,624
Belts sewn and rivetted	225
Hockey pads repaired	22
Mittens sewn	24
Harness repaired	15
Leather braces made	30

Tailoring Division.

We have in this department one instructor and eighteen apprentices, out of that number seven are half-time workers, coming to the shop in the afternoon only. Most of the working hours were employed in mending the clothing of the pupils. At least 200 articles of clothing were mended and put in good shape, every week. Three former appentices who learned their trade at the school work regularly, are earning $15 a week. As usual some of the ladies of the village of Alfred devoted a certain amount of time in mending the socks of the children.

We bought for this department a new Chandler Machine at a cost of $55.

Articles made during the year:

Suits	60
Trousers	211
Night-shirts	84
Coats	48
Caps	35
Shirts	144
Sheets	240

Bookbinding and Printing.

Three apprentices are at present working in this department under an instructor every afternoon, but fourteen boys received there some training in bookbinding during the current year. They are credited with binding 150 books for the school library.

We also began to organize a printing shop under the same management. For this purpose we bought a second-hand printing-press, and the boys were kept busy putting all the letters and characters in good shape, and shortly after its acquisition, we made use of it to print the school paper, "The Guide".

Much help was frequently given the pupils by an experienced and very clever printer living in the village, a man ever ready to lend us a helping hand at any time his services were needed. As a consequence of the inauguration of this new department, some slight alterations had to be made in the Bookbinding and Printing Shop which kept the boys busy putting everything around in order.

Woodwork Report.

There are now five apprentices in that department, but twenty others worked there and received some training in woodworking before they were sent home at the expiration of their time in the school.

The projects made were:

1 ice-box, 6 ft. by 12 ft., for the summer camp.
24 Baseball bats.
50 Tool handles.
12 Checkerboards.
40 Small tables.
75 Stools for the dormitory.
12 Clothes racks.
75 Mops.
10 Cupboards.
3 Doors.
2 Hotbeds.
6 Pews.
60 Brushes.

Other activities included the repairing of 155 chairs, the partitioning of the wood-shop to make room for the basketry division and other modifications. The roof of the main building was renewed or repaired, a work of several days.

Metal Work.

Considerable repairs were made by this section for the year just ended to the main building and shops. Our instructor and his helper were kept busy doing all kinds of odd jobs in and around the house. They made:

14 Swings for the playground.
1 Cement coal bin.
21 Window screens.
8 Screen doors.
5 Trucks.

They painted the wood-shop and installed the heating system; modified the heating system of the shoe-shop. The hot-water system of the main building was completely renewed; toilets were placed in the new carpentry shop and a hot water reservoir was added in the shoe-shop. They also repaired: farm implements, lawn mowers, scrapers, shovels, pipes, radiators, chairs, sinks, ovens, garden tools and kitchen equipment. They distributed and fixed at different places in the main building 60 evaporation cans to secure the required humidity in the house in winter.

Dining-Hall Report.

Six boys work in the kitchen, serve as waiters in the dining-hall or work as general helpers in the washroom, vegetable or bread rooms. Boys interested in cooking were given practical training in the making of cookies, preparation of vegetables, cutting meat, and making bread. They helped the chef in making the bread for the whole house five times a week. Six boys were given employment in restaurants in and around Ottawa.

The products canned for home consumption amounted to:

Tomatoes	1,500	gallons
Beans	500	”
Chickens	34	”
Ham, cured and smoked.	700	pounds

Miscellanies.

Many visitors came to the school, people interested in the welfare of the inmates of the institution; and in many instances the boys gave a short entertainment in honour of the guests who came to visit them. We were favoured with the visit of two distinguished guests, their Excellencies the Archbishops Charbonneau of Montreal and A. Vachon of Ottawa. Most of the visitors came from those two cities, a few from the villages around Alfred. We like those visits because they give us an opportunity of training our boys in politeness and of giving them some directions about good behaviour in the presence of strangers.

On the request and at the invitation of one of our friends, the staff of our Training School paid several visits to two other training schools of the Province: St. John's, Toronto, and the Ontario Training School for Boys, at Bowmanville. At the training school in Bowmanville, three members of our personnel were invited to stay there a week each, the guests of the institution. We welcome this opportunity to thank the Department, the Superintendent and all the staff, either for their sympathetic assistance or their cordial hospitality which made us feel quite at home with the teachers as well as with the boys of this well-organized training school.

Agricultural Report.

Twenty-one boys worked on the school farm during the past year and were given farm training. Fourteen of those boys are now engaged as farm hands in the counties around our place.

Crops were generally good during the 1940 season. The root and potato harvests were above the average. We are building up a good herd of Holstein cows and all heifer calves are kept from the best cows for replacements. Seven of them are registered under Federal Inspection.

The boys are taught to milk, hitch and drive horses, work the farm implements, weed the garden and in general do all common farm jobs. As working on the farm tends to establish good working habits, we require that the boys put in a definite number of hours daily and stick to a job until it is finished.

Farm Products.

Potatoes	2,005	bags
Carrots	175	"
Beets	21	tons
Turnips	24	"
Corn and ensilage	63	"
Hay	36	"
Celery	1,500	heads
Cereals	1,850	bushels
Onions	16	bags
Tomatoes	1,680	gallons
Milk	7,373	"

Number of swine killed during the year, 28, weighing 8,954 pounds.

Sum of money given to the farm hands	$1,500
Amount of money given to the boys	55.20

We bought thirty-three acres of good arable land at a cost of $1,800 and a tractor costing $1,300.

Animals.

Horses	3
Cattle	26
Swine	29

Maple Syrup.

The maple syrup season was rather short, but as usual the boys were permitted to have an outing at the sugar-bush, and take their lunch at the log-cabin, a treat enjoyed most cordially by all concerned. Ten parties, mostly from Ottawa, Hull and the towns around Alfred, came to the sugar-bush at least once during the season, and had a most enjoyable time there. Three boys helped the Brothers in charge, and made themselves useful in a general way. The season was very ordinary as we could get only 90 gallons of syrup as compared to the 200 gallons we obtained three years ago.

Gardening and Horticultural Report.

Trees were thinned out and trimmed in front of the Main Building. The perennial shrub at the front entrance was dug, trimmed and put in good shape early in the spring; and flowers were planted all around the west and north sides of the property. Three boys were assigned to this work during the summer. They got experience in planting flower beds, trimming shrubbery, transplanting plants and assorting perennials for filling the borders. Thus, as a consequence of their esthetic work, the general appearance of the landscape around the house was greatly improved.

The staff of teachers, supervisors and servants was increased during the past year, and is now totalling twenty-six men.

Placement Officer's Report

Boys receiving supervision at beginning of period	71
Boys discharged during period	93
Re-admitted	27
Released from guardianship	25
Placed in foster-homes	19
Placed on farms	17
Home to attend school	21
Home to seek employment	28
Transferred to other institutions	7
Enlisted	1
Former pupils enlisted	38
Boys under supervision at end of period	98
Number of visits to boys	362

Bro. Jerome,
Superintendent.

STATISTICAL REPORT
TRAINING SCHOOLS ADVISORY BOARD

April 1st, 1940 to March 31st, 1941

NUMBER OF CASES REVIEWED

	St. Mary's Training School, Toronto	St. John's Training School, Toronto	St. Joseph's Training School, Alfred	Ontario Training School, Galt	Ontario Training School, Bowmanville	Total
Designations	33	80	75	105	194	487
Applications for Admission Approved	7	7	—	14	30	58
Applications for Admission Not Recommended	1	2	—	1	3	7
Returns to School	1	24	26	51	61	163
Paroles recommended to Minister and made effective	46	117	92	217	395	867
Paroles Refused	13	6	8	7	5	39
Placement Reports	51	212	132	110	749	1254
Attendance Reports	183	230	201	174	308	1096
Wardship Terminated	22	51	27	46	164	310
Termination of Wardship Refused	—	1	—	—	1	2
TOTAL	357	730	561	725	1910	4283

Number of Meetings held	51
Average number of cases reviewed at each meeting	84

TRAINING

COMMITTALS

FOR YEAR ENDING

	Committed by Court	Admitted by Application	Total	Male	Female	City	Town	Township	Ages								
									8	9	10	11	12	13	14	15	16
Algoma District	16	...	16	15	1	10	5	1	...	...	3	...	4	2	3	4	...
Brant	6	...	6	4	2	5	...	1	...	...	...	...	1	...	3	2	...
Bruce	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Carleton	27	2	29	26	3	27	1	1	...	...	1	5	3	7	6	6	1
Cochrane District	14	...	14	11	3	...	13	1	...	...	...	...	1	4	3	6	...
Dufferin	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Elgin	4	...	4	3	1	2	...	2	...	...			1	1	1	1	...
Essex	33	...	33	21	12	22	5	6	...	...	1	...	3	12	3	14	...
Frontenac	7	4	11	8	3	11	...	...	...	...	1	2	1	3	2	2	...
Grey	4	...	4	2	2	3	...	1	...	1	1	...	...	...	...	2	...
Haldimand	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Halton	1	...	1	1	...	...	1	...	...	...	...	...	...	...	...	1	...
Hastings	14	1	15	8	7	6	8	1	...	2	...	2	1	2	3	4	1
Huron	1	...	1	1	...	...	...	1	...	...	...	1	...	...	...	...	...
Kenora District	4	...	4	3	1	...	4	...	...	...	...	...	...	1	3	...	...
Kent	11	...	11	7	4	7	2	2	...	...	...	...	2	3	2	4	...
Lambton	10	...	10	6	4	7	1	2	...	...	...	1	3	...	4	2	...
Lanark	7	...	7	4	3	...	5	2	...	...	...	...	1	3	3	...	...
Leeds-Grenville	5	...	5	5	...	...	3	2	...	1	...	1	...	...	1	1	1
Lennox-Addington	1	...	1	...	1	...	...	1	...	...	...	...	...	...	1	...	...
Lincoln	11	...	11	8	3	9	...	2	...	1	...	...	3	...	3	4	...
Manitoulin District	5	...	5	5	...	3	...	2	...	...	...	1	1	1	1	1	...
Middlesex	14	2	16	13	3	13	1	2	...	...	1	2	2	3	2	6	...
Muskoka District	7	...	7	2	5	...	2	5	...	...	1	...	...	2	1	3	...
Nipissing District	11	...	11	6	5	3	2	6	...	1	...	1	2	...	4	3	...
Norfolk	1	...	1	...	1	...	1	...	...	...	...	...	...	...	...	1	...
Northumberland and Durham	5	...	5	3	2	...	4	1	1	...	...	...	...	2	2	...	...
Ontario	8	...	8	5	3	5	1	2	...	...	2	...	...	2	2	2	...
Oxford	1	...	1	1	...	3	1	...	...	...	...	...	...	1	...	...	...
Parry Sound District	4	...	4	4	...	...	3	1	...	...	...	...	2	2	...	...	...
Peel	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Perth	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Peterboro	1	...	1	1	...	1	...	...	...	...	...	...	...	1	...	...	...
Prescott-Russell	3	...	3	3	...	...	2	1	...	...	...	...	...	1	1	1	...
Prince Edward	3	...	3	3	...	...	1	2	...	...	...	...	...	...	1	2	...
Rainy River District	8	...	8	5	3	...	5	3	1	...	1	1	1	...	...	4	...
Renfrew	12	...	12	11	1	...	10	2	...	2	2	1	1	1	2	3	...
Simcoe	20	...	20	12	8	...	13	7	...	...	1	1	1	3	7	7	...
Stormont, Dundas and Glengarry	21	...	21	16	5	...	17	4	...	...	2	3	3	3	7	2	1
Sudbury District	21	...	21	17	4	11	4	6	...	...	...	2	2	3	6	7	1
Temiskaming District	7	...	7	6	1	...	2	5	...	...	...	1	1	...	2	3	...
Thunder Bay District	8	...	8	7	1	6	...	2	...	...	1	2	1	1	1	2	...
Victoria	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Waterloo	8	...	8	5	3	5	1	2	...	...	...	...	1	2	2	3	...
Welland	11	...	11	10	1	5	3	3	...	...	...	1	3	4	1	2	...
Wellington	7	...	7	3	4	4	1	2	...	...	1	...	1	2	2	1	...
Wentworth	33	...	33	22	11	30	1	2	...	...	1	.	4	7	8	13	...
York	62	45	107	75	32	88	...	19		2	7	11	16	25	24	21	1
TOTAL	457	54	511	368	143	283	123	105	2	10	27	39	66	104	117	140	6

SCHOOLS
AND ADMISSIONS
MARCH 31ST, 1941

	Ward of C.A.S.		Others		Cause of Committal or Admission									
	Legitimate	Illegitimate	Legitimate	Illegitimate	Assault	Breaking and Entering	Causing Damage	Forgery	Immorality	Incorrigibility	Theft	Threatening	Truancy	Vagrancy
Algoma District	...	...	15	1	...	4	...	...	...	2	10	...	...	...
Brant	1	...	4	1	2	...	...	...	...	...	2	...	...	2
Bruce	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Carleton	...	1	28	...	...	3	...	...	1	4	14	...	5	2
Cochrane District	1	...	13	...	...	1	...	...	...	1	12	...	...	...
Dufferin	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Elgin	...	1	3	...	...	...	1	...	...	...	2	...	...	1
Essex	3	...	28	2	...	1	...	...	6	17	8	...	1	...
Frontenac	2	...	9	...	...	...	...	...	1	4	6	...	...	...
Grey	...	...	4	...	...	...	...	...	...	...	3	...	...	1
Haldimand	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Halton	...	...	1	...	...	1	...	...	...	...	...	...	...	...
Hastings	1	...	13	1	...	...	...	...	2	5	5	...	2	1
Huron	...	...	1	...	...	1	...	...	...	...	...	...	...	...
Kenora District	...	...	4	...	...	...	...	...	...	1	3	...	...	...
Kent	2	...	7	2	...	...	...	...	2	6	3	...	...	...
Lambton	3	1	6	...	...	...	...	...	...	4	4	...	2	...
Lanark	...	...	7	...	...	...	...	...	1	2	4	...	...	...
Leeds-Grenville	1	...	4	...	...	...	2	...	...	...	3	...	...	...
Lennox-Addington	...	...	1	...	...	...	...	...	...	1	...	...	...	...
Lincoln	...	...	10	1	...	1	...	...	1	4	3	...	1	1
Manitoulin District	...	...	5	...	...	1	...	...	...	...	4	...	...	...
Middlesex	...	2	11	3	...	...	...	...	2	7	7	...	...	...
Muskoka District	...	...	7	...	1	...	...	...	...	3	2	...	...	1
Nipissing District	1	...	10	...	...	...	...	...	1	5	5	...	...	...
Norfolk	...	...	1	...	...	...	...	...	...	1	...	...	...	...
Northumberland and Durham	2	...	3	...	...	–...	...	...	...	3	1	...	1	...
Ontario	...	...	7	1	...	...	...	...	...	6	1	...	...	1
Oxford	...	...	1	...	...	...	...	...	...	...	1	...	...	...
Parry Sound District	...	...	4	...	...	1	...	...	...	1	2	...	...	...
Peel	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Perth	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Peterboro	...	...	1	...	...	...	...	...	...	1	...	...	...	...
Prescott-Russell	...	...	3	...	...	...	...	...	...	...	3	...	...	...
Prince Edward	1	...	2	...	...	...	...	...	...	2	1	...	...	...
Rainy River District	...	...	7	1	...	...	...	...	...	6	1	...	1	...
Renfrew	1	...	10	1	...	...	...	...	...	3	8	...	1	...
Simcoe	3	...	17	...	...	...	...	...	7	4	7	...	2	...
Stormont, Dundas and Glengarry	2	...	18	1	...	1	...	...	1	4	14	...	...	1
Sudbury District	...	...	21	...	...	5	...	...	...	...	13	...	3	...
Temiskaming District	1	1	5	...	...	...	...	1	...	1	5	...	...	...
Thunder Bay District	1	...	7	...	...	...	...	...	...	...	8	...	...	...
Victoria	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Waterloo	1	...	7	...	...	...	...	...	...	4	4	...	...	...
Welland	...	...	11	...	...	2	...	...	1	1	6	...	1	...
Wellington	1	...	6	...	...	...	...	...	2	3	1	...	1	...
Wentworth	2	...	27	4	...	1	...	...	1	14	13	1	2	1
York	5	1	89	12	...	3	...	...	4	53	36	1	8	2
TOTAL	35	7	438	31	3	26	3	1	33	173	225	2	31	14

SUMMARY OF ATTENDANCE IN TRAINING SCHOOLS

April 1st, 1940, to March 31st, 1941

	St. Mary's Training School for Girls, Toronto	St. John's Training School for Boys, Toronto	St. Joseph's Training School for Boys, Alfred	Ontario Training School for Girls, Galt	Ontario Training School for Boys, Bowmanville	Total
Number in Residence, April 1, 1940	81	139	119	98	186	623
New Commitments or Admissions	37	83	79	106	206	511
Returned from Parole:						
Violation of Parole	4	6	12	23	44	89
Not Satisfactory	3	1	2	1	14	21
Services no longer required	—	—	3	4	—	7
Pupils Dissatisfied	—	3	3	1	—	7
For Replacement	—	5	1	23	10	39
For Further Training	—	6	2	7	1	16
For Medical Attention	—	—	—	8	—	8
Court Order	—	2	—	—	—	2
Returned from A.W.L.	1	5	2	33	98	139
Total	126	250	223	304	559	1462
Number of Placements:						
Returned Home for School	1	8	22	4	24	59
Returned Home to assist parents	5	5	5	2	—	17
Returned Home for Employment	7	45	19	7	64	142
To Boarding Home	1	16	15	36	115	183
To Positions (farm, domestic, etc.)	12	23	25	75	62	197
To Other Institutions	11	5	6	34	21	77
Number A.W.L.	3	8	1	35	101	148
Total	40	110	93	193	387	823
Number remaining in Residence March 31st, 1941	86	140	130	111	172	639

	St. Mary's Training School for Girls, Toronto	St. John's Training School for Boys, Toronto	St. Joseph's Training School for Boys, Alfred	Ontario Training School for Girls, Galt	Ontario Training School for Boys, Bowmanville	Total
Number remaining out for whole year	31	93	72	96	245	537
Number placed and returned during year	6	9	20	62	41	138
Placed out in previous years and returned during present year	1	14	3	5	28	51

RETURNED FROM PLACEMENT DURING YEAR

	St. Mary's Training School for Girls, Toronto	St. John's Training School for Boys, Toronto	St. Joseph's Training School for Boys, Alfred	Ontario Training School for Girls, Galt	Ontario Training School for Boys, Bowmanville	Total
After one placement	6	18	21	32	40	117
After two placements	1	3	2	19	20	45
After three placements	—	2	—	7	6	15
After four placements	—	—	—	6	2	8
After more than four placements	—	—	—	3	1	4
TOTAL	7	23	23	67	69	189

NUMBER OF COURT APPEARANCES PRIOR TO COMMITMENT OR ADMISSION

	St. Mary's Training School for Girls, Toronto	St. John's Training School for Boys, Toronto	St. Joseph's Training School for Boys, Alfred	Ontario Training School for Girls, Galt	Ontario Training School for Boys, Bowmanville	Total
None	24	26	30	85	72	237
One	11	23	18	13	52	117
Two	2	20	17	4	31	74
Three	—	10	4	4	25	43
Four	—	3	4	—	8	15
Five or more	—	1	6	—	18	25
TOTAL	37	83	79	106	206	511

NATIONALITIES OF PUPILS COMMITTED OR ADMITTED

	St. Mary's Training School for Girls, Toronto	St. John's Training School for Boys, Toronto	St. Joseph's Training School for Boys, Alfred	Ontario Training School for Girls, Galt	Ontario Training School for Boys, Bowmanville	Total
Indian	—	2	2	2	7	13
Hebrew	—	—	—	1	1	2
Negro	—	—	—	1	7	8
Canadian	36	69	34	78	181	398
Irish	—	—	18	2	—	20
English	—	—	12	12	—	24
Scotch	—	—	—	3	1	4
Americans	—	3	—	1	5	9
Other	1	9	13	6	4	33
TOTAL	37	83	79	106	206	511

SCHOOL ROLL AND COMPARISON

	Bed Capacity	In Attendance Mar. 31, 1937	In Attendance Mar. 31, 1938	In Attendance Mar. 31, 1939	In Attendance Mar. 31, 1940	In Attendance Mar. 31, 1941
Ontario Training School for Girls, Galt	111	46	60	81	98	111
St. Mary's Training School for Girls, Toronto	90	59	62	72	81	86
St. John's Training School for Boys, Toronto	150	107	127	138	139	140
St. Joseph's Training School for Boys, Alfred	136	93	96	110	119	130
Ontario Training School for Boys, Bowmanville	224	188	192	214	186	172
TOTAL	—	493	537	615	623	639
Girls	—	105	122	153	179	197
Boys	—	388	415	462	444	442

	St. Mary's Training School for Girls, Toronto	St. John's Training School for Boys, Toronto	St. Joseph's Training School for Boys, Alfred	Ontario Training School for Girls, Galt	Ontario Training School for Boys, Bowmanville
Average length of stay in the School, per pupil	2 years 6 months	1 year 5 months	1 year 4 months	1 year 2 months	10 months
Net per diem cost per capita	$0.94	$1.01	$1.11	$1.13	$0.84

MENTALITY OF PUPILS COMMITTED OR ADMITTED

	St. Mary's Training School for Girls, Toronto	St. John's Training School for Boys, Toronto	St. Joseph's Training School for Boys, Alfred	Ontario Training School for Girls, Galt	Ontario Training School for Boys, Bowmanville	Total
Morons—I.Q. 45-60	4	3	5	7	8	27
High Grade Morons—I.Q. 60-70	5	8	14	14	16	57
Borderline—I.Q. 70-80	14	18	16	16	35	99
Dull Normal—I.Q. 80-90	6	22	24	24	65	141
Normal—I.Q. 90-100	5	18	15	25	43	106
Normal—I.Q. 100-110	1	9	4	10	26	50
Superior—I.Q. 110 and Over	2	5	1	10	13	31
TOTAL	37	83	79	106	206	511

FACTORS CONTRIBUTING TO DELINQUENCY OF THOSE COMMITTED OR ADMITTED

	St. Mary's Training School for Girls, Toronto	St. John's Training School for Boys, Toronto	St. Joseph's Training School for Boys, Alfred	Ontario Training School for Girls, Galt	Ontario Training School for Boys, Bowmanville	Total
Alcoholic Parents	—	2	3	3	—	8
Desertion in Home	—	1	—	1	6	8
Either parent immoral	2	1	6	15	3	27
Either parent mental defective	—	4	3	10	2	19
Either parent with court record	—	2	8	6	5	21
Father dead	—	5	6	13	16	40
Mother dead	3	6	7	9	8	33
Parents dead	—	—	—	3	1	4
Fair home but no Control	5	20	11	5	81	122
Poor Home and no Control	17	16	20	11	66	130
Stepfather	—	—	—	4	—	4
Stepmother	—	—	—	2	—	2
Parents Separated	4	8	8	21	5	46
Associations	1	16	3	—	2	22
Mentality of Child	5	2	4	3	11	25
TOTAL	37	83	79	106	206	511

ACTIVITIES OF RESIDENTS DURING YEAR

	St. Mary's Training School for Girls, Toronto	St. John's Training School for Boys, Toronto	St. Joseph's Training School for Boys, Alfred	Ontario Training School for Girls, Galt	Ontario Training School for Boys, Bowmanville
Full time in Classroom	30	19	115	94	130
Part time in Classroom	56	118	64	34	376
Full time in Vocational Shops	—	3	79	115	40
Part time in Vocational Shops	86	118	72	34	273
Culinary	70	19	10	149	31
Sewing	80	—	40	149	—
General Domestic	56	—	—	72	—
Hairdressing	—	—	—	21	—
Barber Shop	—	2	15	—	22
Carpentry	—	3	8	—	28
Farming and Horticulture	—	11	19	56	194
House Maintenance	—	8	150	273	56
Laundry	—	—	4	67	—
Metal Work	—	—	2	—	52
Office	—	—	—	4	9
Printing	—	11	8	—	—
Shoe Making and Repairs	—	28	34	—	53
Tailoring	—	39	16	—	—
Wood Working	—	—	34	—	65
Dental Assistant	—	—	—	3	—

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